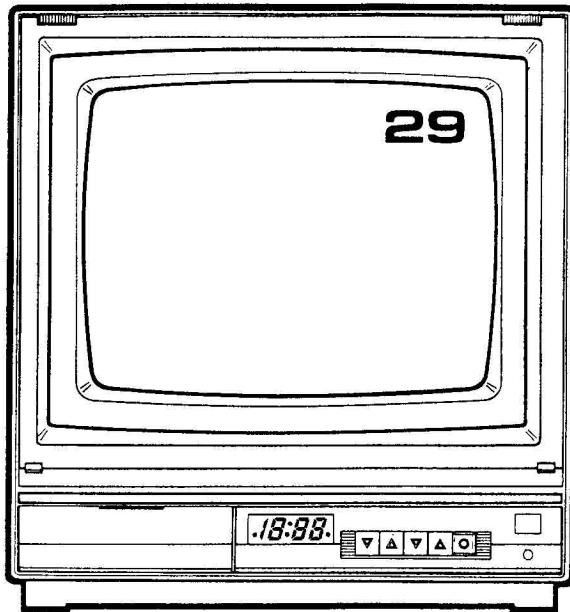


HiNARI

Service Manual



sunrise
TVA 1

FEATURES

- 14" Portable Colour Television.
- Wake-up Alarm Function.
- Digital Clock & Time.
- Infra Red Remote Control.
- 30 Channels. On-screen Channel Display.
- Voltage Synthesizer Tuning. Tuning.

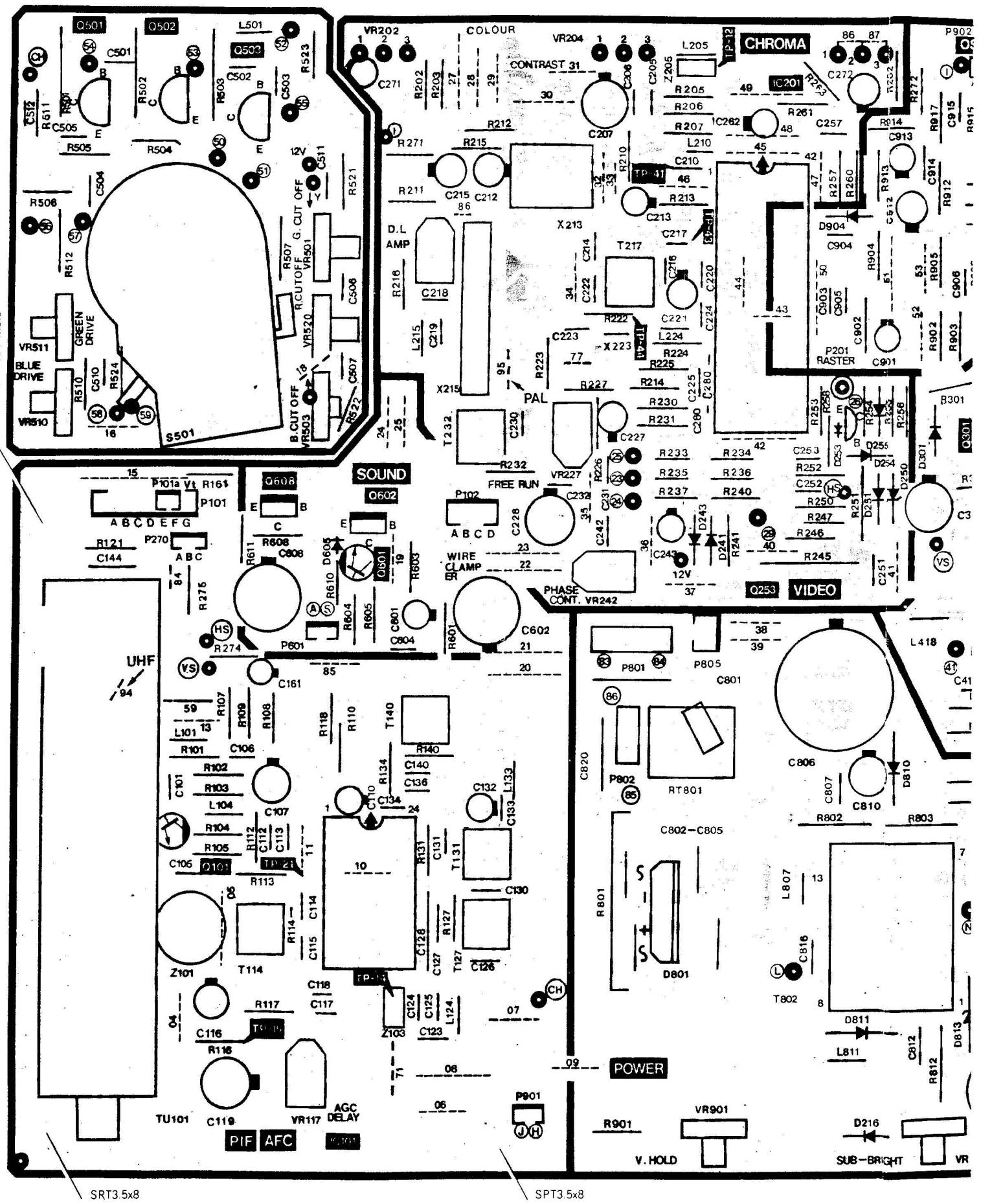
SPECIFICATIONS

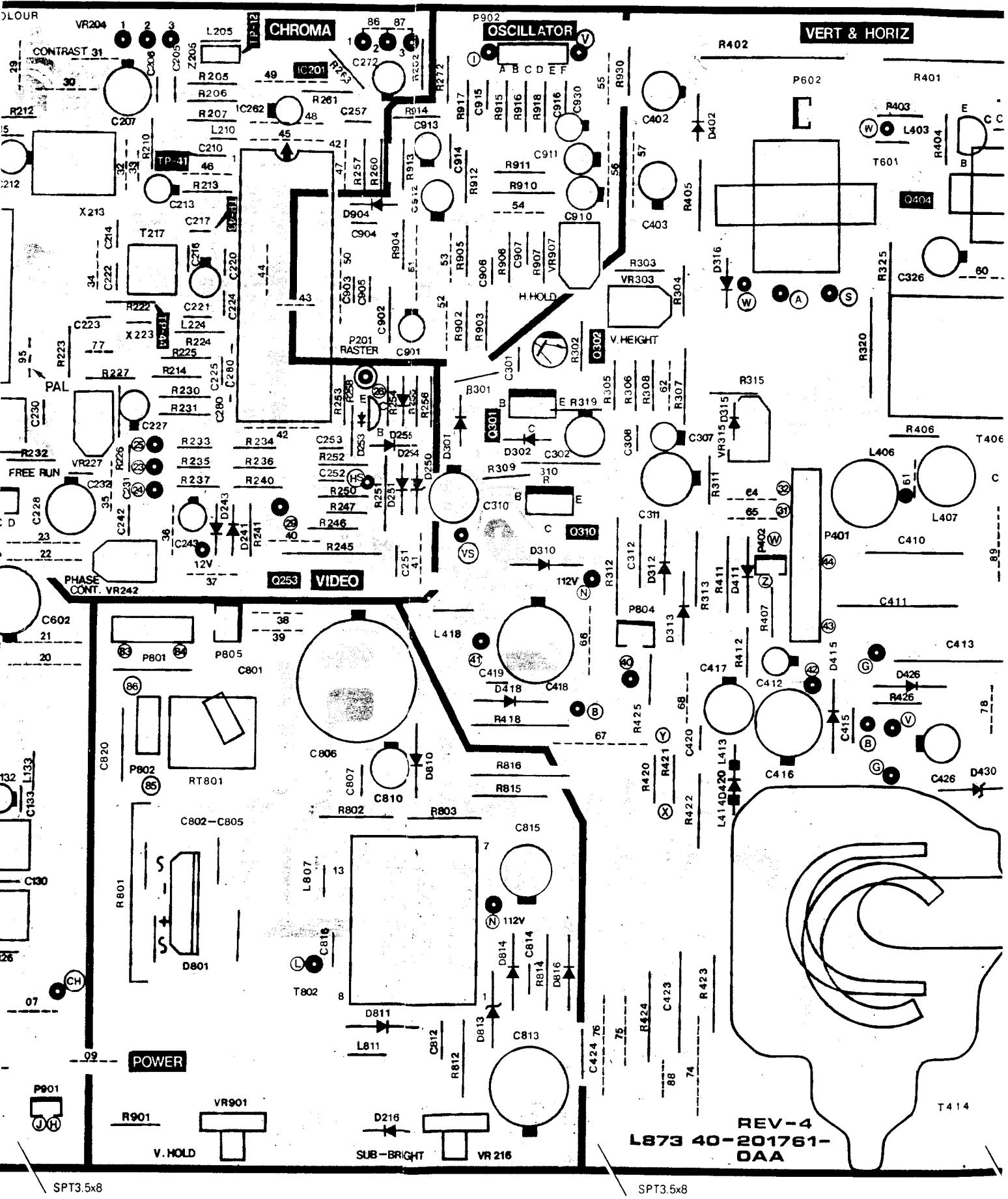
TV Broadcasting	PAL-1
Receiving Channels	UHF 21-69
Number of Preset	30 (0-29)
Program	
Channel Indicator	On Screen Display
RF Aerial Input	75 ohm Unbalanced
Picture Tube	36 cm (14")
Timer On Clock	90 Degree In-Line Gun
Timer On Screen	Return to standby after 2 hours. Return to standby after 30, 60, 90 mins.

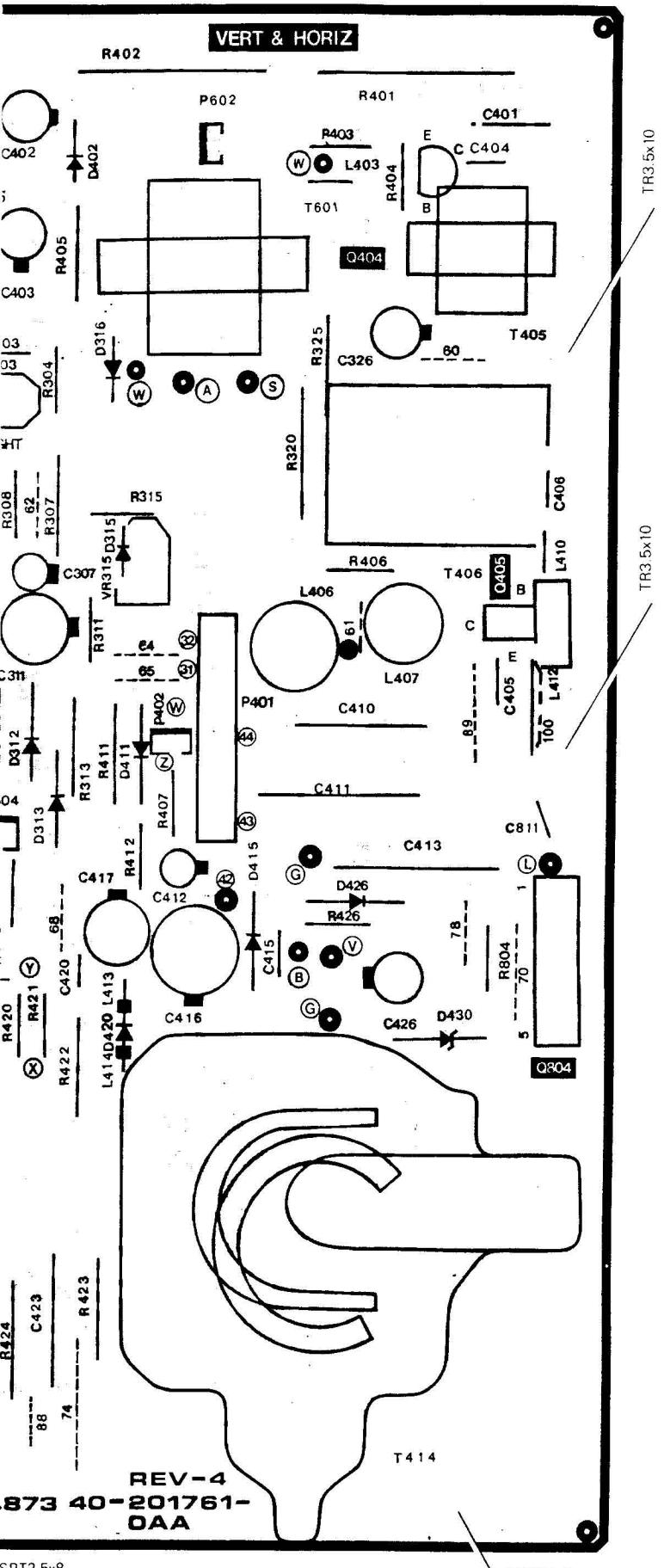
Speaker	Dia. 89 mm 16 ohm
Audio Output Power	1.5W max
Operating Voltage	AC 240V 50Hz
Power Consumption	70W
Dimensions	380x385x400mm (WxHxD)
Net Weight	13 kg
Infrared Remote Control	
Features	Standby, 0-9 and 10- and 20-key Keypad, Random Access Program Select, Program Down-Up, Volume Down-Up, Mute, Colour/Brightness Down-UP Off Timer, Display
Effective Distance	8 meters
Power	3V Batteries, 2 x type AAA or type UM4, 1.5V Alkaline batteries, NOT included
Dimensions	170x59x15mm (LxWxH)
Net Weight	80g

* Design and specifications subject to change without prior notice.

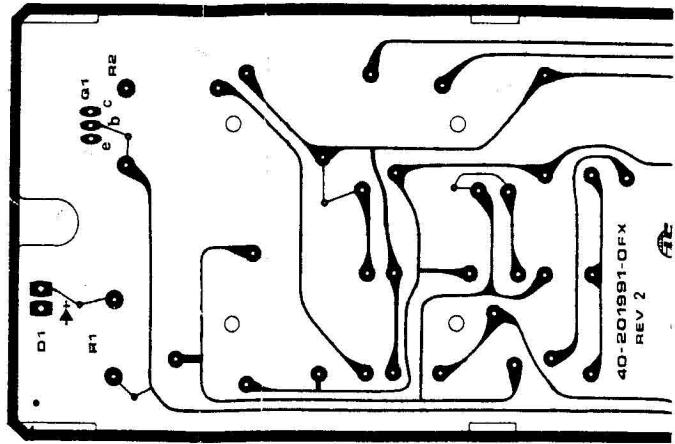
40-201761-OAA MAIN BOARD



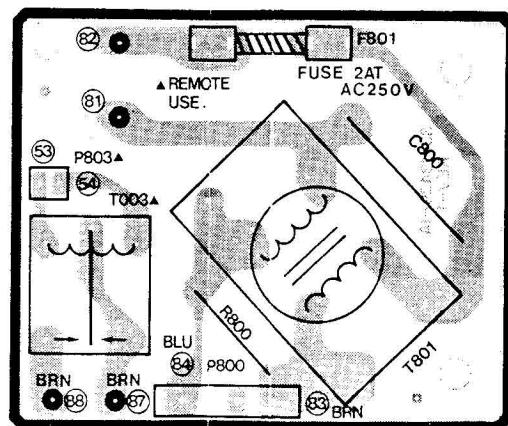




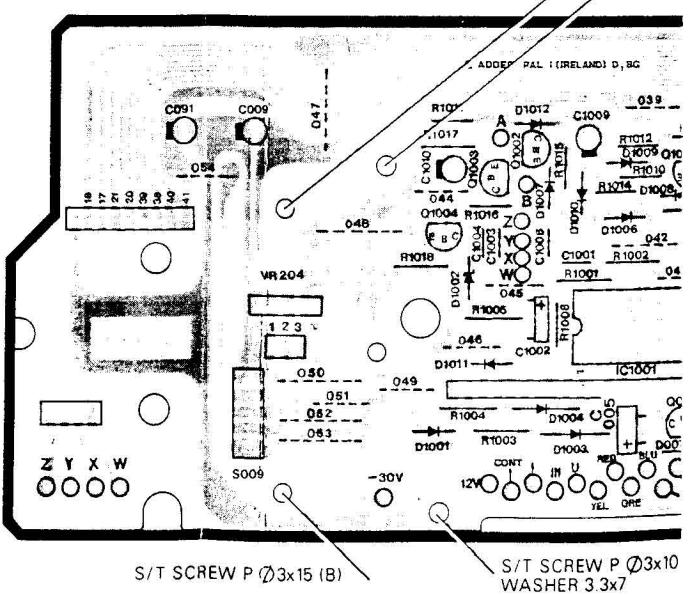
40-201991-OFX IR TRANSMITTER



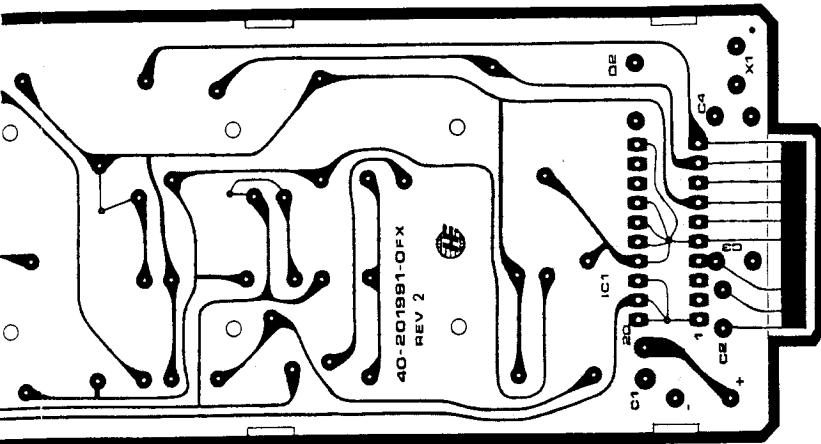
33-134291-AAA POWER BOARD



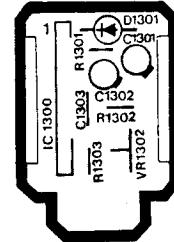
40-201751-OAA SELECTOR BOARD



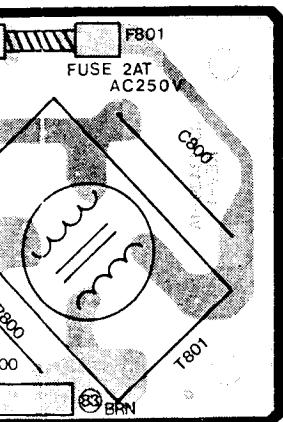
IR TRANSMITTER



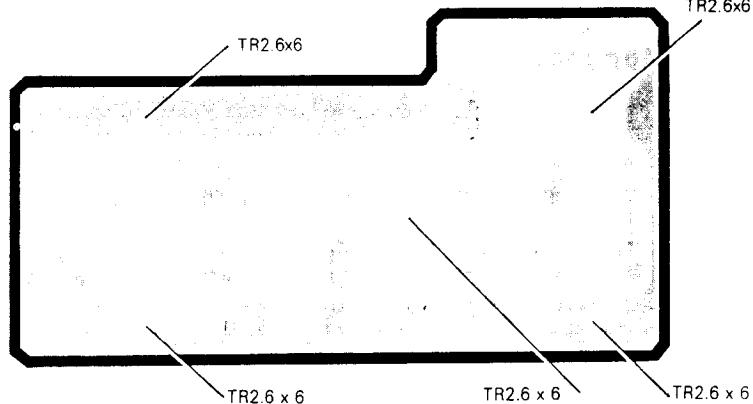
40-200831-OAA IR PRE AMPLIFIER



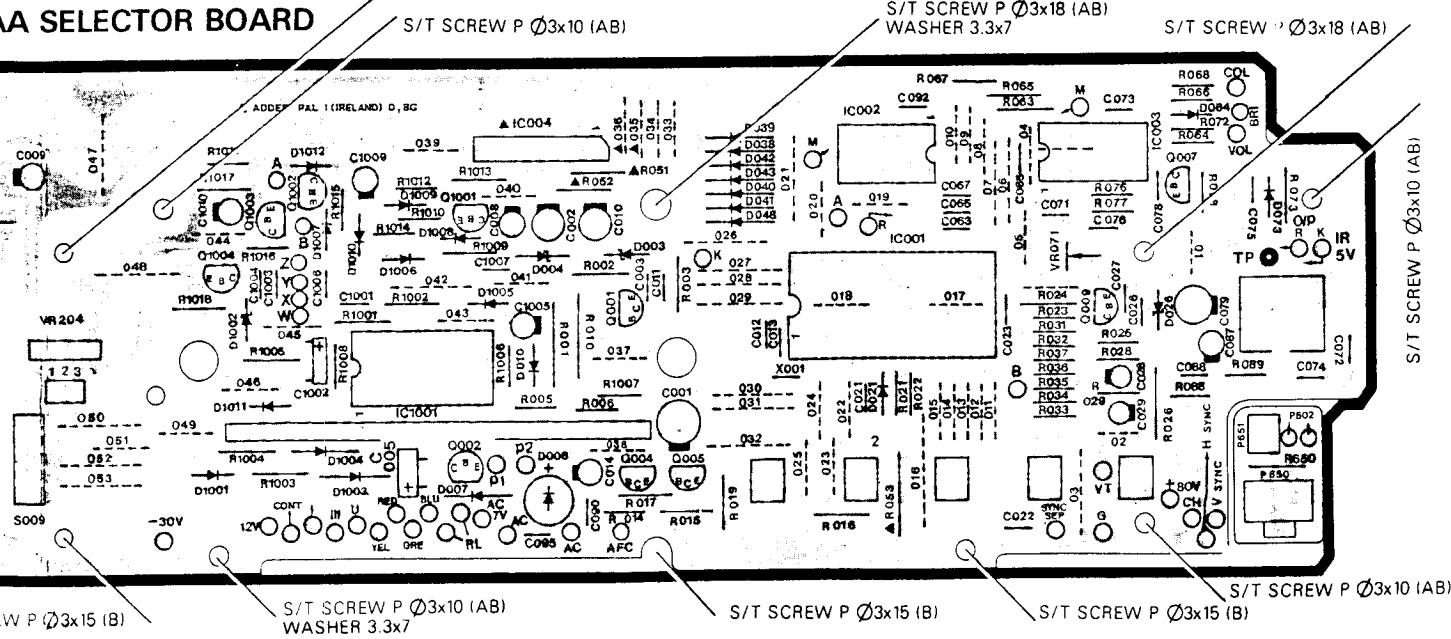
POWER BOARD



33-139713-OFZ CONTROL KEY



A SELECTOR BOARD



CHASSIS PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X - RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE".

NOTICE: The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.

Location No.	Part No.	Description	Quantity
08-20179-0003	08-20179-0-003	ASSEMBLY - MAIN BD. + CRT BD.	1.00
Z205	27-137171-1	45-137170-600 CERAMIC TRAP TPS 6.0 MHZ	1.00
Z103	27-10878-1	45-108780-400 CERAMIC FILTER 6MHz	1.00
Z101	27-11261-1	45-112610-300 SAW FILTER F1035	1.00
X223	27-10719-2	45-107190-100 CRYSTAL 4.43MHz	1.00
X215	33-13018-3	43-ZLT10Z-446 DELAY LINE - LUMINANCE(ELT446)	1.00
VR907	38-10732-1	20-107320-103 TRIMMER 10K OHM 0.3W B-TYPE	1.00
VR901	38-13059-1	20-130590-204 TRIMMER 200K OHM 0.3W B-TYPE	1.00
VR520	38-10729-1	20-107290-502 TRIMMER 5K OHM 0.3W B-TYPE	1.00
VR511	38-10723-1	20-107230-201 TRIMMER 200 OHM 0.3W B-TYPE	1.00
VR510	38-10723-1	20-107230-201 TRIMMER 200 OHM 0.3W B-TYPE	1.00
VR503	38-10724-1	20-107240-103 TRIMMER 10K OHM 0.3W B-TYPE	1.00
VR501	38-10724-1	20-107240-103 TRIMMER 10K OHM 0.3W B-TYPE	1.00
VR315	38-11239-1	20-112390-302 TRIMMER 3K OHM 0.3W B-TYPE	1.00
VR303	38-13063-1	20-130630-503 TRIMMER 50K OHM 0.3W B-TYPE	1.00
VR242	38-12574-1	20-125740-471 TRIMMER 470 OHM 0.3W B-TYPE	1.00
VR227	38-13064-1	20-130640-502 TRIMMER 5K OHM 0.3W B-TYPE	1.00
VR216	38-10729-1	20-107290-502 TRIMMER 5K OHM 0.3W B-TYPE	1.00
VR215	38-13065-1	20-130650-102 TRIMMER 1K OHM 0.3W B-TYPE	1.00
VR117	38-13064-1	20-130640-502 TRIMMER 5K OHM 0.3W B-TYPE	1.00
TU101	55-10702-6	07-00000E-T31 TUNER - UHF ET-31	1.00
TB02	51-12999-1	36-129991-000 TRANSFORMER - COVERTOR G-4B	1.00
T601	36-20174-0000	36-201740-000 TRANSFORMER - AUDIO OUTPUT	1.00
T414	51-14184-1	37-001541-380 TRANSFORMER - FLYBACK 14"	1.00
T406	51-10747-2	36-107472-000 TRANSFORMER - SIDE DFC (EI-25)	1.00
T405	51-10748-1	36-107481-000 HORIZ. DRIVE TRANSFORMER	1.00
T232	51-13099-1	38-130990-000 COIL - BURST PHASE ADJUST	1.00
T217	51-13099-1	38-130990-000 COIL - BURST PHASE ADJUST	1.00
T140	51-10750-1	38-107500-000 COIL - S.I.F. DETECTOR	1.00
T131	51-10744-1	38-107440-000 COIL - P.I.F. DETECTOR	1.00
T127	51-10744-1	38-107440-000 COIL - P.I.F. DETECTOR	1.00
T114	51-10743-1	38-107430-000 COIL - P.S.F. MATCHING	1.00
S501	73-10811-2	47-1081112-000 SOCKET - CRT (12P) CS623	1.00
RT801	36-10877-2	22-C02863-602 POSISTOR PTH451 C02 BG360N	1.00
R930	36-CD103-1	18-C00103-JD1 RES. CARBON FILM 10K OHM 1/4W	1.00
R918	36-CD821-1	18-C00821-JD1 RES. CARBON FILM 820 OHM 1/4W	1.00
R917	36-CD0242-1	18-C00242-JD1 RES. CARBON FILM 2.4K OHM 1/4W	1.00
R916	36-CD103-1	18-C00103-JD1 RES. CARBON FILM 10K OHM 1/4W	1.00
R915	36-CD302-1	18-C00302-JD1 RES. CARBON FILM 3K OHM 1/4W	1.00
R914	36-CD681-1	18-C00681-JD1 RES. CARBON FILM 680 OHM 1/4W	1.00
R913	36-CD544-1	18-C00544-JD1 RES. CARBON FILM 560K OHM 1/4W	1.00
R912	36-CD106-1	18-C00106-JD1 RES. CARBON FILM 10M OHM 1/4W	1.00
R911	36-CD362-1	18-C00362-JD1 RES. CARBON FILM 3.6K OHM 1/4W	1.00
R910	36-CE0153-JB1	RES. METAL OXIDE 15K OHM 1/2W	1.00
R907	36-CD154-1	18-C00154-JD1 RES. CARBON FILM 150K OHM 1/4W	1.00
R906	36-CD363-1	18-C00363-JD1 RES. CARBON FILM 36M OHM 1/4W	1.00
R905	36-CD362-1	18-C00362-JD1 RES. CARBON FILM 3.6K OHM 1/4W	1.00
R904	36-CD225-1	18-C00225-JD1 RES. CARBON FILM 2.2M OHM 1/4W	1.00
R903	36-CD393-1	18-C00393-JD1 RES. CARBON FILM 39K OHM 1/4W	1.00
R902	36-CD333-1	18-C00333-JD1 RES. CARBON FILM 33K OHM 1/4W	1.00
R901	36-CD244-1	18-C00244-JD1 RES. CARBON FILM 240K OHM 1/4W	1.00
R816	36-FF300-1	18-FF0300-350J1 RES. METAL OXIDE 30 OHM 1W	1.00
R815	36-FE301-1	18-FE0301-JB1 RES. METAL OXIDE 300 OHM 1/2W	1.00
R814	36-FE759-1	18-FE0759-JB1 RES. METAL OXIDE 7.5 OHM 1/2W	1.00
R812	36-BE472-K	18-BE0472-KB1 RES. CARBON COMPOSITION	1.00
R803	36-CE104-1	18-CE0104-JB1 RES. CARBON FILM 100K OHM 1/2W	1.00
R802	36-CE104-1	18-CE0104-JB1 RES. CARBON FILM 100K OHM 1/2W	1.00
RB01	36-GL629-K	18-GL0629-KB1 RES. CEMENT 6.2 OHM 10W +/-10%	1.00
R611	36-DE109-J	18-DE0109-JB1 RES. METAL FILM 1 OHM 1/2W	1.00
R610	36-CD390-J	18-C00390-JD1 RES. CARBON FILM 39 OHM 1/4W	1.00
R608	36-CD561-1	18-C00561-JD1 RES. CARBON FILM 560 OHM 1/4W	1.00
R605	36-CD182-1	18-C00182-JD1 RES. CARBON FILM 1.8K OHM 1/4W	1.00
R604	36-CD183-1	18-C00183-JD1 RES. CARBON FILM 18K OHM 1/4W	1.00
R603	36-CD242-1	18-C00242-JD1 RES. CARBON FILM 2.4K OHM 1/4W	1.00
R601	36-CD272-1	18-C00272-JD1 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R524	36-CD332-1	18-C00332-JD1 RES. CARBON FILM 3.3K OHM 1/4W	1.00
R523	36-CD332-1	18-C00332-JD1 RES. CARBON FILM 3.3K OHM 1/4W	1.00
R522	36-CD272-1	18-C00272-JD1 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R521	36-CD272-1	18-C00272-JD1 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R512	36-BE472-K	18-BE0472-KB1 RES. CARBON COMPOSITION	1.00
R511	36-CD151-1	18-C00151-JD1 RES. CARBON FILM 150 OHM 1/4W	1.00
R510	36-CD201-1	18-C00201-JD1 RES. CARBON FILM 200 OHM 1/4W	1.00
R507	36-BE472-K	18-BE0472-KB1 RES. CARBON COMPOSITION	1.00
R506	36-CD121-1	18-C00121-JD1 RES. CARBON FILM 120 OHM 1/4W	1.00
R505	36-CD151-1	18-C00151-JD1 RES. CARBON FILM 150 OHM 1/4W	1.00
R504	36-BE472-K	18-BE0472-KB1 RES. CARBON COMPOSITION	1.00
R503	36-FG153-1	18-FG0153-JH1 RES. METAL OXIDE 15K OHM 2W	1.00
R502	36-FG153-1	18-FG0153-JH1 RES. METAL OXIDE 15K OHM 2W	1.00
R501	36-FG153-1	18-FG0153-JH1 RES. METAL OXIDE 15K OHM 2W	1.00
R426	18-FE0681-1JB1	18-FE0681-JB1 RES. METAL OXIDE 680 OHM 1W	1.00
R425	36-CD224-1	18-C00224-JD1 RES. CARBON FILM 220K OHM 1/4W	1.00
R424	36-DF109-1	18-DF0109-JB1 RES. METAL FILM 1 OHM 1W +/-5%	1.00
R423	36-DE109-1	18-DE0109-JB1 RES. METAL FILM 1 OHM 1W	1.00
R422	36-EE100-1	18-EE0100-1JG1 RES. FUSIBLE 10 OHM 1/2W +/-5%	1.00
R421	36-CD103-1	18-C00103-JD1 RES. CARBON FILM 10K OHM 1/4W	1.00
R420	36-CD103-1	18-C00103-JD1 RES. CARBON FILM 10K OHM 1/4W	1.00
R418	36-EEF339-1	18-EEF0339-JG1 RES. FUSIBLE 3.3 OHM 1W +/-5%	1.00
R412	36-CD202-1	18-C00202-JD1 RES. CARBON FILM 2K OHM 1/4W	1.00
R411	36-CE102-1	18-CE0102-JB1 RES. CARBON FILM 1K OHM 1/2W	1.00
R407	36-CD473-1	18-C00473-JD1 RES. CARBON FILM 47K OHM 1/4W	1.00
R406	36-FF681-1	18-FF0681-JG1 RES. METAL OXIDE 680 OHM 1W	1.00
R405	36-FE181-1	18-FE0181-JB1 RES. METAL OXIDE 180 OHM 1/2W	1.00
R404	36-CD330-1	18-C00330-JD1 RES. CARBON FILM 33 OHM 1/4W	1.00
R403	36-CD182-1	18-C00182-JD1 RES. CARBON FILM 1.8K OHM 1/4W	1.00
R402	36-FH682-1	18-FH0682-JJ1 RES. METAL OXIDE 6.8K OHM 3W	1.00

Location No.	Part No.	Description
R401	36-FH242-J	18-FH0242-JI1 RES. METAL OXIDE 2
R325	36-FE122-J	18-FE0122-JB1 RES. METAL OXIDE 1
R320	36-FE681-J	18-FF0681-JG1 RES. METAL OXIDE 6
R319	36-DE229-J	18-DE0229-JB1 RES. METAL FILM 2.
R315	36-CD331-J	18-C00331-JD1 RES. CARBON FILM 3
R313	36-FE821-J	18-FE0821-JB1 RES. METAL OXIDE 8
R312	36-FG100-J	18-FG0100-JH1 RES. METAL OXIDE 1
R311	36-CD103-J	18-C00103-JD1 RES. CARBON FILM 1
R310	36-FE821-J	18-FE0821-JB1 RES. METAL OXIDE 8
R309	36-CD220-J	18-C00220-JD1 RES. CARBON FILM 2
R308	36-CD102-J	18-C00102-JD1 RES. CARBON FILM 1
R307	36-DF279-J	18-DF0279-JB1 RES. METAL FILM 2.
R306	36-CD473-J	18-C00473-JD1 RES. CARBON FILM 4
R305	36-C0683-J	18-C00683-JD1 RES. CARBON FILM 6
R304	36-CD392-J	18-C00392-JD1 RES. CARBON FILM 3
R303	36-C0823-J	18-C00823-JD1 RES. CARBON FILM 8
R302	36-CD273-J	18-C00273-JD1 RES. CARBON FILM 2
R301	36-C0331-J	18-C00331-JD1 RES. CARBON FILM 3
R275	36-C0823-J	18-C00823-JD1 RES. CARBON FILM 8
R274	36-CD184-J	18-C0184-JD1 RES. CARBON FILM 1
R272	36-C0563-J	18-C00563-JD1 RES. CARBON FILM 5
R271	36-CD473-J	18-C00473-JD1 RES. CARBON FILM 4
R263	36-C0393-J	18-C00393-JD1 RES. CARBON FILM 3
R262	36-C0822-J	18-C00822-JD1 RES. CARBON FILM 8
R261	36-CD154-J	18-C0154-JD1 RES. CARBON FILM 1
R260	36-CD242-J	18-C00242-JD1 RES. CARBON FILM 2
R258	36-CD680-J	18-C00680-JD1 RES. CARBON FILM 6
R257	36-C0821-J	18-C00821-JD1 RES. CARBON FILM 8
R256	36-CD202-J	18-C00202-JD1 RES. CARBON FILM 2
R255	36-CD103-J	18-C00103-JD1 RES. CARBON FILM 1
R254	36-C0331-J	18-C00331-JD1 RES. CARBON FILM 3
R253	36-CD101-J	18-C00101-JD1 RES. CARBON FILM 1
R252	36-C0563-J	18-C00563-JD1 RES. CARBON FILM 5
R251	36-CE102-J	18-C0102-JD1 RES. CARBON FILM 1
R250	36-C0823-J	18-C00823-JD1 RES. CARBON FILM 8
R247	36-C0153-J	18-C00153-JD1 RES. CARBON FILM 1'
R246	36-C0563-J	18-C00563-JD1 RES. CARBON FILM 5
R245	36-FF221-J	18-FF0221-JG1 RES. METAL OXIDE 2
R241	36-CD474-J	18-C00474-JD1 RES. CARBON FILM 4
R240	36-CD272-J	18-C00272-JD1 RES. CARBON FILM 2
R237	36-CD561-J	18-C00561-JD1 RES. CARBON FILM 5
R236	36-CD272-J	18-C00272-JD1 RES. CARBON FILM 2
R235	36-CD561-J	18-C00561-JD1 RES. CARBON FILM 2
R234	36-CD272-J	18-C00272-JD1 RES. CARBON FILM 2
R233	36-C0561-J	18-C00561-JD1 RES. CARBON FILM 5
R232	36-CD471-J	18-C00471-JD1 RES. CARBON FILM 4
R231	36-C0273-J	18-C00273-JD1 RES. CARBON FILM 2
R230	36-CD122-J	18-C0122-JD1 RES. CARBON FILM 1
R227	36-C0273-J	18-C00273-JD1 RES. CARBON FILM 2
R226	36-C0823-J	18-C00823-JD1 RES. CARBON FILM 8
R225	36-C0391-J	18-C00391-JD1 RES. CARBON FILM 3
R224	36-C0511-J	18-C00511-JD1 RES. CARBON FILM 5
R223	36-CD201-J	18-C00201-JD1 RES. CARBON FILM 2
R222	36-C0821-J	18-C00821-JD1 RES. CARBON FILM 8
R216	36-CD152-J	18-C0152-JD1 RES. CARBON FILM 1
R215	36-C0103-J	18-C00103-JD1 RES. CARBON FILM 1
R214	36-CD162-J	18-C00162-JD1 RES. CARBON FILM 1
R213	36-C0363-J	18-C00363-JD1 RES. CARBON FILM 3
R212	36-C0334-J	18-C00334-JD1 RES. CARBON FILM 3
R211	36-C0103-J	18-C00103-JD1 RES. CARBON FILM 1
R210	36-CD182-J	18-C0182-JD1 RES. CARBON FILM 1
R207	36-CD182-J	18-C0182-JD1 RES. CARBON FILM 1
R206	36-CD151-J	18-C00151-JD1 RES. CARBON FILM 1
R205	36-C0122-J	18-C00122-JD1 RES. CARBON FILM 1
R203	36-C0331-J	18-C00331-JD1 RES. CARBON FILM 3
R202	36-CD152-J	18-C00152-JD1 RES. CARBON FILM 1
R140	36-CD123-J	18-C00123-JD1 RES. CARBON FILM 1
R134	36-C0104-J	18-C00104-JD1 RES. CARBON FILM 1
R131	36-CD222-J	18-C00222-JD1 RES. CARBON FILM 2
R127	36-C0392-J	18-C00392-JD1 RES. CARBON FILM 3
R121	36-C0223-J	18-C00223-JD1 RES. CARBON FILM 2
R118	36-C0822-J	18-C00822-JD1 RES. CARBON FILM 8
R117	36-C0561-J	18-C00561-JD1 RES. CARBON FILM 5
R116	36-CD152-J	18-C00152-JD1 RES. CARBON FILM 1
R114	36-CD182-J	18-C0182-JD1 RES. CARBON FILM 1
R113	36-C024-1	18-C0024-1J1 RES. CARBON FILM 8
R112	36-CD302-J	18-C00302-JD1 RES. CARBON FILM 3
R110	36-C0102-J	18-C00102-JD1 RES. CARBON FILM 1
R109	36-CD164-J	18-C00164-JD1 RES

ASSIS PARTS LIST

THIS CHASSIS, READ THE "X - RAY RADIATION PRECAUTION",
"PRODUCT SAFETY NOTICE".

be used when ordering parts, in order to assist in processing, be sure to
specification.

	Quantity
RT BD.	1.00
R401	36-FH242-J
R325	36-FE122-J
R320	36-FE681-J
R319	36-DE0229-J
R315	36-CD0331-J
R313	36-FE821-J
R312	36-FG100-J
R311	36-CD0103-J
R310	36-FE821-J
R309	36-CD220-J
R308	36-CD0102-J
R307	36-DF279-J
R306	36-CD0473-J
R305	36-CD683-J
R304	36-CD392-J
R303	36-C0823-J
R302	36-CD0273-J
R301	36-C0331-J
R273	36-C0823-J
R274	36-CD184-J
R272	36-C0563-J
R271	36-CD0473-J
R263	36-C0393-J
R262	36-CD0822-J
R261	36-CD154-J
R260	36-CD242-J
R258	36-CD680-J
R257	36-CD821-J
R256	36-CD202-J
R255	36-CD103-J
R254	36-CD331-J
R253	36-CD101-J
R252	36-C0563-J
R251	36-CE102-J
R250	36-C0823-J
R247	36-CD153-J
R246	36-C0563-J
R245	36-FF221-J
R241	36-CD474-J
R240	36-CD272-J
R237	36-C0561-J
R236	36-CD272-J
R235	36-C0561-J
R234	36-CD272-J
R233	36-C0561-J
R232	36-CD471-J
R231	36-C0273-J
R230	36-CD122-J
R227	36-C0273-J
R226	36-C0823-J
R225	36-C0391-J
R224	36-C0511-J
R223	36-CD201-J
R222	36-C0821-J
R216	36-CD152-J
R215	36-CD103-J
R214	36-CD162-J
R213	36-C0363-J
R212	36-C0334-J
R211	36-CD103-J
R210	36-C0182-J
R207	36-CD182-J
R206	36-CD151-J
R205	36-CD122-J
R203	36-CD0331-J
R202	36-CD152-J
R140	36-CD123-J
R134	36-C0104-J
R131	36-C0222-J
R127	36-C0392-J
R121	36-C0223-J
R118	36-CD0822-J
R117	36-C0561-J
R116	36-CD152-J
R114	36-CD182-J
R113	36-C0824-J
R112	36-CD302-J
R110	36-CD102-J
R109	36-CD164-J
R108	36-C0272-J
R107	36-CD221-J
R105	36-CD270-J
R104	36-CD471-J
R103	36-CD562-J
R102	36-CD102-J
R101	36-CD101-J
R004	14-13013-1
R008	14-13069-C
R002	14-13068-C
R001	14-13066-C
R003	14-12704-0
R002	14-12704-0
R001	14-12704-0
R005	14-12778-0
R004	14-12704-0
R010	14-10759-0
R002	14-10758-0
R001	14-10760-0

Location No.	Part No.	Description	Quantity
R401	36-FH242-J	18-FH0242-J11 RES. METAL OXIDE 2.4K OHM 3W	1.00
R325	36-FE122-J	18-FE0122-J11 RES. METAL OXIDE 1.2K OHM 1/2W	1.00
R320	36-FE681-J	18-FE0681-J11 RES. METAL OXIDE 680 OHM 1W	1.00
R319	36-DE0229-J	18-DE0229-J11 RES. METAL FILM 2.2 OHM 1/2W	1.00
R315	36-CD0331-J	18-CD0331-J11 RES. CARBON FILM 330 OHM 1/4W	1.00
R313	36-FE821-J	18-FE0821-J11 RES. METAL OXIDE 820 OHM 1/2W	1.00
R312	36-FG100-J	18-FG0100-J11 RES. METAL OXIDE 10 OHM 2W	1.00
R311	36-CD0103-J	18-CD0103-J11 RES. CARBON FILM 10K OHM 1/4W	1.00
R310	36-FE821-J	18-FE0821-J11 RES. METAL OXIDE 820 OHM 1/2W	1.00
R309	36-CD220-J	18-CD0220-J11 RES. CARBON FILM 22 OHM 1/4W	1.00
R308	36-CD0102-J	18-CD0102-J11 RES. CARBON FILM 1K OHM 1/4W	1.00
R307	36-DF279-J	18-DF0279-J11 RES. METAL FILM 2.7 OHM 1W	1.00
R306	36-CD0473-J	18-CD0473-J11 RES. CARBON FILM 47K OHM 1/4W	1.00
R305	36-CD683-J	18-CD0683-J11 RES. CARBON FILM 68K OHM 1/4W	1.00
R304	36-CD392-J	18-CD0392-J11 RES. CARBON FILM 3.9K OHM 1/4W	1.00
R303	36-C0823-J	18-C00823-J11 RES. CARBON FILM 82K OHM 1/4W	1.00
R302	36-CD0273-J	18-CD0273-J11 RES. CARBON FILM 27K OHM 1/4W	1.00
R301	36-C0331-J	18-C00331-J11 RES. CARBON FILM 330 OHM 1/4W	1.00
R273	36-C0823-J	18-C00823-J11 RES. CARBON FILM 82K OHM 1/4W	1.00
R274	36-CD184-J	18-CD0184-J11 RES. CARBON FILM 180K OHM 1/4W	1.00
R272	36-C0563-J	18-C00563-J11 RES. CARBON FILM 56K OHM 1/4W	1.00
R271	36-CD0473-J	18-CD0473-J11 RES. CARBON FILM 47K OHM 1/4W	1.00
R263	36-C0393-J	18-C00393-J11 RES. CARBON FILM 39K OHM 1/4W	1.00
R262	36-CD0822-J	18-CD0822-J11 RES. CARBON FILM 8.2K OHM 1/4W	1.00
R261	36-CD154-J	18-CD0154-J11 RES. CARBON FILM 150K OHM 1/4W	1.00
R260	36-CD242-J	18-CD0242-J11 RES. CARBON FILM 2.4K OHM 1/4W	1.00
R258	36-CD680-J	18-CD0680-J11 RES. CARBON FILM 68 OHM 1/4W	1.00
R257	36-CD821-J	18-CD0821-J11 RES. CARBON FILM 820 OHM 1/4W	1.00
R256	36-CD202-J	18-CD0202-J11 RES. CARBON FILM 2K OHM 1/4W	1.00
R255	36-CD103-J	18-C00103-J11 RES. CARBON FILM 10K OHM 1/4W	1.00
R254	36-CD331-J	18-CD0331-J11 RES. CARBON FILM 330 OHM 1/4W	1.00
R253	36-CD101-J	18-CD0101-J11 RES. CARBON FILM 100 OHM 1/4W	1.00
R252	36-C0563-J	18-C00563-J11 RES. CARBON FILM 56K OHM 1/4W	1.00
R251	36-CE102-J	18-CE0102-J11 RES. CARBON FILM 1K OHM 1/2W	1.00
R250	36-C0823-J	18-C00823-J11 RES. CARBON FILM 820K OHM 1/4W	1.00
R247	36-CD153-J	18-CD0153-J11 RES. CARBON FILM 15K OHM 1/4W	1.00
R246	36-C0563-J	18-C00563-J11 RES. CARBON FILM 56K OHM 1/4W	1.00
R245	36-FF221-J	18-FF0221-J11 RES. METAL OXIDE 220 OHM 1W	1.00
R241	36-CD474-J	18-CD0474-J11 RES. CARBON FILM 470K OHM 1/4W	1.00
R240	36-CD272-J	18-CD0272-J11 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R237	36-C0561-J	18-CD0561-J11 RES. CARBON FILM 560 OHM 1/4W	1.00
R236	36-CD272-J	18-CD0272-J11 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R235	36-C0561-J	18-CD0561-J11 RES. CARBON FILM 560 OHM 1/4W	1.00
R234	36-CD272-J	18-CD0272-J11 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R233	36-C0561-J	18-CD0561-J11 RES. CARBON FILM 560 OHM 1/4W	1.00
R232	36-CD471-J	18-CD0471-J11 RES. CARBON FILM 470 OHM 1/4W	1.00
R231	36-C0273-J	18-CD0273-J11 RES. CARBON FILM 270 OHM 1/4W	1.00
R230	36-CD122-J	18-CD0122-J11 RES. CARBON FILM 1.2K OHM 1/4W	1.00
R227	36-C0273-J	18-CD0273-J11 RES. CARBON FILM 27K OHM 1/4W	1.00
R226	36-C0823-J	18-C00823-J11 RES. CARBON FILM 820 OHM 1/4W	1.00
R225	36-C0391-J	18-CD0391-J11 RES. CARBON FILM 390 OHM 1/4W	1.00
R224	36-C0511-J	18-CD0511-J11 RES. CARBON FILM 510 OHM 1/4W	1.00
R223	36-CD201-J	18-CD0201-J11 RES. CARBON FILM 200 OHM 1/4W	1.00
R222	36-C0821-J	18-CD0821-J11 RES. CARBON FILM 820 OHM 1/4W	1.00
R216	36-CD152-J	18-CD0152-J11 RES. CARBON FILM 1.5K OHM 1/4W	1.00
R215	36-CD103-J	18-C00103-J11 RES. CARBON FILM 10K OHM 1/4W	1.00
R214	36-CD162-J	18-CD0162-J11 RES. CARBON FILM 1.6K OHM 1/4W	1.00
R213	36-C0363-J	18-CD0363-J11 RES. CARBON FILM 36K OHM 1/4W	1.00
R212	36-C0334-J	18-CD0334-J11 RES. CARBON FILM 330K OHM 1/4W	1.00
R211	36-CD103-J	18-CD0103-J11 RES. CARBON FILM 10K OHM 1/4W	1.00
R210	36-C0182-J	18-CD0182-J11 RES. CARBON FILM 1.8K OHM 1/4W	1.00
R207	36-CD182-J	18-CD0182-J11 RES. CARBON FILM 1.8K OHM 1/4W	1.00
R206	36-CD151-J	18-CD0151-J11 RES. CARBON FILM 150 OHM 1/4W	1.00
R205	36-CD122-J	18-CD0122-J11 RES. CARBON FILM 1.2K OHM 1/4W	1.00
R203	36-CD0331-J	18-CD0331-J11 RES. CARBON FILM 330 OHM 1/4W	1.00
R202	36-CD152-J	18-CD0152-J11 RES. CARBON FILM 1.5K OHM 1/4W	1.00
R140	36-CD123-J	18-CD0123-J11 RES. CARBON FILM 12K OHM 1/4W	1.00
R134	36-C0104-J	18-CD0104-J11 RES. CARBON FILM 100K OHM 1/4W	1.00
R131	36-C0222-J	18-CD0222-J11 RES. CARBON FILM 2.2K OHM 1/4W	1.00
R127	36-C0392-J	18-CD0392-J11 RES. CARBON FILM 3.9K OHM 1/4W	1.00
R121	36-C0223-J	18-CD0223-J11 RES. CARBON FILM 22K OHM 1/4W	1.00
R118	36-CD0822-J	18-CD0822-J11 RES. CARBON FILM 8.2K OHM 1/4W	1.00
R117	36-C0561-J	18-CD0561-J11 RES. CARBON FILM 560 OHM 1/4W	1.00
R116	36-CD152-J	18-CD0152-J11 RES. CARBON FILM 1.5K OHM 1/4W	1.00
R114	36-CD182-J	18-CD0182-J11 RES. CARBON FILM 1.8K OHM 1/4W	1.00
R113	36-C0824-J	18-CD0824-J11 RES. CARBON FILM 820K OHM 1/4W	1.00
R112	36-CD302-J	18-CD0302-J11 RES. CARBON FILM 3K OHM 1/4W	1.00
R110	36-CD102-J	18-CD0102-J11 RES. CARBON FILM 1K OHM 1/4W	1.00
R109	36-CD164-J	18-CD0164-J11 RES. CARBON FILM 160K OHM 1/4W	1.00
R108	36-C0272-J	18-CD0272-J11 RES. CARBON FILM 2.7K OHM 1/4W	1.00
R107	36-CD221-J	18-CD0221-J11 RES. CARBON FILM 220 OHM 1/4W	1.00
R105	36-CD270-J	18-CD0270-J11 RES. CARBON FILM 27M OHM 1/4W	1.00
R104	36-CD471-J	18-CD0471-J11 RES. CARBON FILM 470 OHM 1/4W	1.00
R103	36-CD562-J	18-CD0562-J11 RES. CARBON FILM 5.6K OHM 1/4W	1.00
R102	36-CD102-J	18-CD0102-J11 RES. CARBON FILM 1K OHM 1/4W	1.00
R101	36-CD101-J	18-CD0101-J11 RES. CARBON FILM 100 OHM 1/4W	1.00
R004	14-13013-1	13-0STR54-12S IC - HYBRID S74 5412	1.00
R008	14-13069-C	11-2SB562-0C1 TRANSISTOR 2SB562 (LF,POWER	1.00
R002	14-13068-C	11-2SD468-0C1 TRANSISTOR 2SD468 (LF,POWER	1.00
R001	14-13066-C	11-2SA673-0C1 TRANSISTOR 2SA 673-C	1.00
R003	14-12704-0	11-SC2482-001 TRANSISTOR 2SC 2482	1.00
R002	14-12704-0	11-SC2482-001 TRANSISTOR 2SC 2482	1.00
R001	14-12704-0	11-SC2482-001 TRANSISTOR 2SC 2482	1.00
R005	14-12778-0	11-2SD870-001 TRANSISTOR 2SD 870	1.00
R004	14-12704-0	11-SC2482-001 TRANSISTOR 2SC 2482	1.00
R010	14-10759-0	11-SC2073-001 TRANSISTOR 2SC 2073	1.00
R002	14-10758-0	11-SC2229-001 TRANSISTOR 2SC 2229-0	1.00
R001	14-10760-0	11-2SA940-001 TRANSISTOR 2SA 940	1.00

Location No.	Part No.	Description
0253	14-10757-0	11-AS62TM-001 TRANSISTOR 2SA
0101	14-10754-0	11-SC388A-TM1 TRANSISTOR 2SC
P902	74-10964-6	46-10964W-06C POLE PIN BASE*
P802	74-10962-2	46-10962W-02B POLE PIN BASE*
P801	74-11376-6	46-11376W-03C POLE PIN BASE*
P602	74-12866-6	46-12866W-02C POLE PIN BASE*
P402	74-12866-6	46-12866W-02C POLE PIN BASE*
P401	74-12876-6	46-12876W-06C POLE PIN BASE*
P270	46-12210W-03C	46-12210W-03C POLE PIN BASE - 3 P
P201	74-10967-2	46-10967W-01B SINGLE PIN BAS
P102	74-10960-6	46-10960W-04C PIN BASE 4 POLE
P101A	74-12866-6	46-12866W-02C POLE PIN BASE*
L811	51-13001-1	36-13001-000 COIL - CHOKE 6
L807	51-12000-1	36-12000-000 COIL - CHOKE 6
L501	51-10709-1	36-10709-000 COIL - FL-33 05
L418	51-10739-1	36-10739-000 FERRITE BEAD BF
L414	51-13973-1	35-13973-000 FERRITE BEAD BF
L412	51-13973-1	35-13973-000 FERRITE BEAD BF
L410	51-10738-1	36-10738-000 COIL - CHOKE 6
L406	51-13058-1	36-13058-00

Location No.	Part No.	Description	Quantity
0253	14-10757-0	11-AS62TM-001 TRANSISTOR 2SA 562TM-0	1.00
0101	14-10754-0	11-SC388A-TMI TRANSISTOR 2SC 388 ATM	1.00
P902	74-10964-6	46-10964W-006 POLE PIN BASE*2 WF9006	1.00
F901	74-12866-6	46-12866W-002 POLE PIN BASE*2 WF9002	1.00
P802	74-10962-2	46-10962W-02B POLE PIN BASE*2 RTB-1.5-2	1.00
P801	74-11376-6	46-11376W-03C POLE PIN BASE*3 WF3003	1.00
F802	74-12866-6	46-12866W-002 POLE PIN BASE*2 WF9002	1.00
P402	74-12866-6	46-12866W-002 POLE PIN BASE*2 WF9002	1.00
F401	74-12876-6	46-12876W-006 POLE PIN BASE*2 RTB-1.5-6	1.00
P270	46-12210-W03C	46-12210W-03C PIN BASE - 3 POLE WF9003	1.00
P201	74-10967-2	46-10967W-01B SINGLE PIN BASE RT-01N-2.3A	1.00
P102	74-10960-6	46-10960W-004C PIN BASE 4 POLE WF9004	1.00
P101A	74-12866-6	46-12866W-002 POLE PIN BASE*2 WF9002	1.00
L811	51-13001-1	36-130010-000 COIL - CHOKE 6.5MM (1.0UH)	1.00
L807	51-12000-1	36-120000-000 COIL - CHOKE 6.5MM (1.0UH)	1.00
L501	51-10709-1	36-107090-000 COIL - PL-33 05MM (33UH)	1.00
L418	51-10739-1	36-107390-000 COIL - CHOKE 010MM (100UH)	1.00
L414	51-13973-1	35-139730-000 FERRITE BEAD BF60	1.00
L413	51-13973-1	35-139730-000 FERRITE BEAD BF60	1.00
L412	51-14012-1	36-140121-000 COIL - CHOKE (0.6 UH)	1.00
L410	51-10738-1	36-107380-000 COIL - PL-1 05MM (1.0UH)	1.00
L406	51-13058-1	36-130580-000 COIL - LINEARITY 010MM (39UH)	1.00
L403	51-10738-1	36-107380-000 COIL - PL-1 05MM (1.0UH)	1.00
L224	51-11157-0	36-111570-000 COIL - PL-220 05MM (220UH)	1.00
L215	51-10710-1	36-107100-000 COIL - PL-8.2 05MM (8.2UH)	1.00
L210	51-10709-1	36-107090-000 COIL - PL-33 05MM (33UH)	1.00
L205	51-10712-1	36-107120-000 COIL - PL-15 05MM (15UH)	1.00
L133	51-10709-1	36-107090-000 COIL - PL-33 05MM (33UH)	1.00
L124	51-10733-1	36-107330-000 COIL - PL-5.6 DIA 5MM (5.6UH)	1.00
L104	51-10735-1	36-107350-000 COIL - CHOKE (0.9UH)	1.00
L101	51-10734-1	36-107340-000 COIL - MATCHING COIL	1.00
IC201	14-13011-1	13-TA7698-AFF I.C. TA7698AP	1.00
IC101	14-13010-1	13-TA7681-AFF I.C. TA7681AP	1.00
D904	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
DB16	14-12996-1	10-000R0H1-E21 DIODE RH 1 (FAST RECOVERY)	1.00
DB14	14-12996-1	10-000RH1-E21 DIODE RH 1 (FAST RECOVERY)	1.00
DB13	14-12998-1	10-000SR2M-D21 DIODE SR-2M (AVALANCHE)	1.00
DB11	14-13014-1	10-000RG2-E21 DIODE RG 2 (FAST RECOVERY)	1.00
DB10	14-10625-1	10-000A157-E21 DIODE BA 157 (FAST RECOVERY)	1.00
DB01	14-12995-1	10-0R0B156-E21 DIODE RB-156	1.00
DB05	14-10273-1	10-1N4148-A21 DIODE IN4148 (SWITCHING)	1.00
D430	10-85C30-V021	10-85C30V-021 DIODE - ZENER 30V 5% 1.3W	1.00
D426	14-10625-1	10-00A157-E21 DIODE BA 157 (FAST RECOVERY)	1.00
D420	14-10764-1	10-SS295J-E21 DIODE S 295J (FAST RECOVERY)	1.00
D418	14-10764-2	10-SS295G-E21 DIODE S295G (FAST RECOVERY)	1.00
D415	14-10764-2	10-SS295GK-E21 DIODE S295GK (FAST RECOVERY)	1.00
D411	14-10766-1	10-1S1887-E21 DIODE IS 1887 (RECTIFIER)	1.00
D402	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D316	14-14011-1	10-1N4002-E21 DIODE IN4002 (RECTIFIER)	1.00
D315	14-10273-1	10-1N4148-A21 DIODE IN4148 (SWITCHING)	1.00
D313	14-10765-1	10-1S2775-E21 DIODE IS 2775 (FAST RECOVERY)	1.00
D312	14-10765-1	10-1S2775-E21 DIODE IS 2775 (FAST RECOVERY)	1.00
D310	14-10766-1	10-1S1887-E21 DIODE IS 1887 (RECTIFIER)	1.00
D302	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D301	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D255	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D254	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D253	14-10270-1	10-01N60P-A21 DIODE - GERMANIUM IN 60P	1.00
D251	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D250	14-11406-1	10-83C12V-D21 DIODE - ZENER 12V 5% 1/2W	1.00
D243	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D241	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
D216	14-10718-1	10-1S1555-A21 DIODE - SWITCHING IS 1555	1.00
C930	42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
C916	46-PF152-Z	27-PBD152-J01 CAP. POLYESTER 0.0015 UF 50V	1.00
C915	46-PF333-J	27-PBD333-J01 CAP. POLYESTER 0.033 UF 50V	1.00
C914	46-PF153-J	27-PBD153-J01 CAP. POLYESTER 0.015 MFD 50V	1.00
C913	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
C912	42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
C911	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
C910	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
C907	46-KF302-J	27-KBD302-J01 CAP. POLYESTER-POLYPROPYLENE	1.00
C906	46-PF562-J	27-PBD562-J01 CAP. POLYESTER 0.0056 UF 50V	1.00
C905	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C904	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C903	44-AF152-Z	26-AB0152-KB1 CAP. CERAMIC 1500 PF 50V	1.00
C902	46-PF224-J	27-PBD224-J01 CAP. POLYESTER 0.22 UF 50V	1.00
C901	49-BE229-K	25-BE0229-K31 CAP. TANTALUM 2.2 MFD 35V	1.00
C820	46-MM104-K	27-MHD104-K01 CAP. METALLIZED POLYESTER	1.00
C816	44-AP102-K	26-AM0102-KB1 CAP. CERAMIC 1000 PF 2KV	1.00
C815	44-AP102-K	26-AM0102-KB1 CAP. CERAMIC 1000 PF 2KV	1.00
C807	44-AL102-K	26-AI0102-KB1 CAP. CERAMIC (DISC TYPE)	1.00
C806	44-BM121-M	25-BM0121-M11 CAP. ELECTROLYTIC 120 UF 400V	1.00
C805	44-AQ472-Z	26-AQ0472-ZF1 CAP. CERAMIC (DISC TYPE)	1.00
C804	44-AQ472-Z	26-AQ0472-ZF1 CAP. CERAMIC (DISC TYPE)	1.00
C803	44-AQ472-Z	26-AQ0472-ZF1 CAP. CERAMIC (DISC TYPE)	1.00
C802	44-AQ472-Z	26-AQ0472-ZF1 CAP. CERAMIC (DISC TYPE)	1.00
C801	46-M0233-M	27-MGA223-M01 CAP. METALLIZED POLYESTER	1.00
C808	42-BC102-Y	25-BC0102-U11 CAP. ELECTROLYTIC 1000 MFD 16V	1.00
C604	46-PF562-J	27-PBD562-J01 CAP. POLYESTER 0.0056 UF 50V	1.00
C602	42-BD471-Y	25-BD0471-U11 CAP. ELECTROLYTIC 470 MFD 25V	1.00
C601	42-BF229-Y	25-BF0229-U11 CAP. ELECTROLYTIC 2.2 MFD 50V	1.00
S12	44-AF102-K	26-AI0102-KB1 CAP. CERAMIC 1000 PF 50V	1.00
S11	44-AF221-J	26-AI0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
S10	44-AF102-K	26-AI0102-KB1 CAP. CERAMIC 1000 PF 50V	1.00
S07	44-AF221-J	26-AI0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
S06	44-AF221-J	26-AI0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
S05	44-AF102-K	26-AI0102-KB1 CAP. CERAMIC 1000 PF 50V	1.00
S04	44-AN331-M	26-AK0331-MB1 CAP. CERAMIC 330 PF 1000V	1.00
S03	44-AF181-J	26-AB0181-JZ1 CAP. CERAMIC 180 PF 50V +/-5%	1.00
S02	44-AF181-J	26-AB0181-JZ1 CAP. CERAMIC 180 PF 50V +/-5%	1.00
S01	44-AF181-J	26-AB0181-JZ1 CAP. CERAMIC 180 PF 50V +/-5%	1.00
S26	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
S25	46-MK124-K01	CAP. METALLIZED POLYESTER	1.00
C423	46-RL563-J	27-RGD563-J01 CAP. POLYPROPYLENE 0.056 UF	1.00
C420	44-AL681-K	26-AI0681-KB1 CAP. CERAMIC 680 PF 500V	1.00
C419	44-AL221-K	26-AI0221-KZ1 CAP. CERAMIC 220PF 500V	1.00
C418	42-BC222-Y	25-BC0222-U11 CAP. ELECTROLYTIC 2200 MFD 16V	1.00
C417	42-BG101-Y	25-BG0101-U11 CAP. ELECTROLYTIC 1000 MFD 63V	1.00
C416	42-BL100-Y	25-BL0100-U11 CAP. ELECTROLYTIC 10 MFD 250V	1.00
C415	44-AL221-K	26-AI0221-KB1 CAP. CERAMIC 220PF 500V	1.00
C413	46-RP762-J	27-RLD762-J01 CAP. POLYPROPYLENE 0.0076 UF	1.00
C412	42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
C411	46-RL394-J	27-RGD394-J01 CAP. POLYPROPYLENE 0.39 UF	1.00
C406	44-AF222-K	26-AB0222-KB1 CAP. CERAMIC 2200 PF 50V	1.00

Location No.	Part No.	Description	Quantity
C405	44-AP221-K	26-AM0221-KB1 CAP. CERAMIC 220 PF 2KV	1
C404	44-AL681-K	26-AI0681-KB1 CAP. CERAMIC 680 PF 500V	1
C403	42-BF100-Y	25-BF0100-U11 CAP. ELECTROLYTIC 10 MFD 50V	1
C402	42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1
C401	44-AL103-K	26-AI0103-KB1 CAP. CERAMIC (DISC TYPE)	1
C326	42-FC240-K	25-FD0240-K11 CAP. ELECTROLYTIC 24 UF 16V	1
C312	46-RL333-J	27-RGD333-J01 CAP. POLYPROPYLENE 0.033 UF	1
C311	42-BF221-Y	25-BF0221-U11 CAP. ELECTROLYTIC 220 MFD 50V	1
C310	42-BJ479-Y	25-BJ0479-U11 CAP. ELECTROLYTIC 4.7 MFD 160V	1
C307	49-BE229-K	25-BE0229-K31 CAP. TANTALUM 2.2 MFD 35V	1
C306	44-AL332-M	26-AI0332-MB1 CAP. CERAMIC 3300 PF 500V	1
C302	42-BF100-Y	25-BF0100-U11 CAP. ELECTROLYTIC 10 MFD 50V	1
C301	44-AL221-K	26-AI0221-KB1 CAP. CERAMIC 220PF 500V	1
C290	44-AP109-C	26-AB0109-ZF1 CAP. CERAMIC 1 PF 50V +/-0.25%	1
C272	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1
C271	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1
C262	42-BF479-Y	25-BF0479-U11 CAP. ELECTROLYTIC 4.7 MFD 50V	1
C257	44-AF180-J	26-AB0180-JZ1 CAP. CERAMIC 18 PF 50V +/-5%	1
C253	44-AF561-K	26-AB0561-KZ1 CAP. CERAMIC (DISC TYPE)	1
C252	44-AP300-J	26-AB0300-ZJ1 CAP. CERAMIC 30 PF 50V +/-5%	1
C251	44-AP301-K	26-AB0109-ZF1 CAP. CERAMIC 100 PF 50V	1
C243	42-BE220-Y	25-BE0220-U11 CAP. ELECTROLYTIC 220 MFD 35V	1
C242	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C241	44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C240	44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C239	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1
C238	46-NF474-J	27-NBD474-J01 CAP. POLYESTER 0.47 UF 50V	1
C237	44-AF150-J	26-AB0150-JZ1 CAP. CERAMIC 15 PF 50V +/-5%	1
C236	44-AF209-C	26-AB0209-CZ1 CAP. CERAMIC 2 PF 50V +/-0.25	1
C235	44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC IN 50V +80-20%	1
C234	44-AF222-K	26-AB0222-KZ1 CAP. CERAMIC 220 PF 50V	1
C233	42-BC470-Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 16V	1
C232	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C231	44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C230	44-AP209-C	26-AB0209-CZ1 CAP. CERAMIC 2 PF 50V +/-0.25	1
C229	46-NF474-J	27-NBD474-J01 CAP. POLYESTER 0.47 UF 50V	1
C228	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C227	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C226	44-AF209-C	26-AB0209-CZ1 CAP. CERAMIC 2 PF 50V +/-0.25	1
C225	44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC IN 50V +80-20%	1
C224	44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC IN 50V +80-20%	1
C223	44-AF470-J	26-AB0470-JZ1 CAP. CERAMIC 47 PF 50V +/-5%	1
C222	42-BC331-Y	25-BC0331-Z1 CAP. ELECTROLYTIC 330 MFD 16V	1
C221	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C220	44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C219	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1
C218	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C217	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1
C216	44-AF209-C	26-AB0209-C	

Part No.	Description	Quantity
44-AP221-K	26-AM0221-KB1 CAP. CERAMIC 220 PF 2KV	1.00
44-AL681-K	26-A10681-KB1 CAP. CERAMIC 680 PF 500V	1.00
42-BF100-Y	25-BF0100-U11 CAP. ELECTROLYTIC 10 MFD 50V	1.00
42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
44-AL103-K	26-A10103-KB1 CAP. CERAMIC (DISC TYPE)	1.00
42-FC240-K	25-FC0240-K11 CAP. ELECTROLYTIC 24 UF 16V	1.00
46-RL333-J	27-RGD333-J01 CAP. POLYPROPYLENE 0.033 UF	1.00
42-BF221-Y	25-BF0221-U11 CAP. ELECTROLYTIC 220 MFD 50V	1.00
42-BF479-Y	25-BF0479-U11 CAP. ELECTROLYTIC 4.7 MFD 160V	1.00
49-BE229-K	25-BE0229-K31 CAP. TANTALUM 2.2 MFD 35V	1.00
44-AL332-M	26-A10332-MB1 CAP. CERAMIC 3300 PF 500V	1.00
42-BF100-Y	25-BF0100-U11 CAP. ELECTROLYTIC 10 MFD 50V	1.00
44-AL221-K	26-A10221-KB1 CAP. CERAMIC 220PF 500V	1.00
44-AP109-C	26-AB0109-CZ1 CAP. CERAMIC 1 PF 50V +/-0.25%	1.00
42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
42-BF479-Y	25-BF0479-U11 CAP. ELECTROLYTIC 4.7 MFD 50V	1.00
44-AB180-J	26-AB0180-JZ1 CAP. CERAMIC 18 PF 50V +/-5%	1.00
44-AP561-K	26-AB0561-KZ1 CAP. CERAMIC (DISC TYPE)	1.00
44-AP300-J	26-AB0300-JZ1 CAP. CERAMIC 30 PF 50V +/-5%	1.00
44-AP301-K	26-AB0301-KZ1 CAP. CERAMIC 300 PF 50V +/-10%	1.00
42-BE220-Y	25-BE0220-U11 CAP. ELECTROLYTIC 22 MFD 35V	1.00
46-PF822-J	27-PBD822-J01 CAP. POLYESTER 0.0082 UF 50V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
46-NF223-K	27-NBD223-K01 CAP. POLYESTER (NON-INDUCTIVE)	1.00
46-NF223-K	27-NBD223-K01 CAP. POLYESTER (NON-INDUCTIVE)	1.00
42-BC331-Y	25-BC0331-U11 CAP. ELECTROLYTIC 330 MFD 16V	1.00
42-BF479-Y	25-BF0479-U11 CAP. ELECTROLYTIC 4.7 MFD 50V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AB680-J0	26-AB0680-JC1 CAP. CERAMIC 68 PF 50V +/-5%	1.00
44-AF220-J0	26-AB0220-JC1 CAP. CERAMIC 22 PF 50V +/-5%	1.00
44-AB200-J	26-AB0200-JZ1 CAP. CERAMIC 20 PF 50V +/-5%	1.00
42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
44-AB103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AB180-J	26-AB0180-JZ1 CAP. CERAMIC 18 PF 50V +/-5%	1.00
44-AB103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AB121-J3	26-AB0121-JP1 CAP. CERAMIC 120 PF 50V +/-5%	1.00
42-BE220-Y	25-BE0220-U11 CAP. ELECTROLYTIC 22 MFD 35V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
44-AF120-J	26-AB0120-JZ1 CAP. CERAMIC 12 PF 50V +/-5%	1.00
42-BC101-Y	25-BC0101-U11 CAP. ELECTROLYTIC 100 MFD 16V	1.00
46-PF473-J	27-PBD473-J01 CAP. POLYESTER 0.047 UF 50V	1.00
44-AB181-J	26-AB0181-JZ1 CAP. CERAMIC 180 PF 50V +/-5%	1.00
42-BF479-Y	25-BF0479-U11 CAP. ELECTROLYTIC 4.7 MFD 50V	1.00
46-PF104-J	27-PBD104-J01 CAP. POLYESTER 0.1 UF 50V	1.00
44-AF470-J0	26-AB0470-JC1 CAP. CERAMIC 47 PF 50V +/-5%	1.00
44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
46-PF102-J	27-PBD102-J01 CAP. POLYESTER 0.001 UF 50V	1.00
44-AF222-K	26-AB0222-ZF1 CAP. CERAMIC 2200 PF 50V	1.00
42-BC470-Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 16V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AB209-C	26-AB0209-CZ1 CAP. CERAMIC 2 PF 50V +/-0.25	1.00
46-NF474-J	27-NBD474-J01 CAP. POLYESTER 0.47 UF 50V	1.00
44-AP105-J	26-AB0150-JZ1 CAP. CERAMIC 15 PF 50V +/-5%	1.00
44-AB209-C	26-AB0209-CZ1 CAP. CERAMIC 2 PF 50V +/-0.25	1.00
44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC 150 PF 50V +80-20%	1.00
44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC 150 PF 50V +80-20%	1.00
44-AF470-J	26-AB0470-JZ1 CAP. CERAMIC 47 PF 50V +/-5%	1.00
42-BC331-Y	25-BC0331-U11 CAP. ELECTROLYTIC 330 MFD 16V	1.00
44-AB103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AB103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
42-BE220-Y	25-BE0220-U11 CAP. ELECTROLYTIC 22 MFD 35V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC 150V +80-20%	1.00
44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC 150V +80-20%	1.00
42-BC331-Y	25-BC0331-U11 CAP. ELECTROLYTIC 330 MFD 16V	1.00
44-AB103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AB103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
42-BE220-Y	25-BE0220-U11 CAP. ELECTROLYTIC 22 MFD 35V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC 150V +80-20%	1.00
44-AF102-Z	26-AB0102-ZF1 CAP. CERAMIC 150V +80-20%	1.00
42-BF479-Y	25-BF0479-U11 CAP. ELECTROLYTIC 4.7 MFD 50V	1.00
42-BE220-Y	25-BE0220-U11 CAP. ELECTROLYTIC 22 MFD 35V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
44-AP103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
42-13129-1	67-131290-0E4 BRACKET - HEAT SINK	1.00
82-13051-3	67-130510-3E4 BRACKET - MAIN BOARD	1.00
82-13050-1	67-130500-0TO SHIELD CAN - I.F.	1.00
82-10918-4	***** HEAT SINK	2.00
74-11383S-2	46-11383H-01B POLE HOUSING+1 SIP-LV VIOLET	1.00
71-14182-1	63-P35080-0B4 SCREW TR 3.5 X 8 (B)	4.00
71-13169-1	63-P40120-A40 SCREW TR 4 X 12	1.00
71-13016	64-P30120-102 SCREW MR 3 X 12	2.00
71-12860	64-B30060-102 SCREW SMB 3 X 6	2.00
71-12860	64-B30060-102 SCREW SMB 3 X 6	2.00
71-12350	65-E33055-07E METAL SPRING WASHER 3.3 X 5.5	2.00
71-11064	65-I35060-26E NUT M 3.5	1.00
71-10998	65-A40090-06E WASHER - 4 X 9	1.00
71-10998	65-A40090-06E WASHER - 4 X 9	2.00
71-10997-A	63-P35100-ABA SCREW TR 3.5 X 10	2.00
71-10991	64-P35080-104 SCREW MR 3.5 X 8	2.00
71-10493	65-Z30050-23E SCREW NUT M3	2.00
40-20176-10AA	40-201761-0AA PCB - MAIN BOARD + CRT BOARD	1.00
20-13666-3	41-BF0090-3BB SOLID WIRE #24 UL 1007 90MM	1.00
20-13615-0	41-BF0180-0BD SOLID WIRE #24 UL 1007 180MM	1.00
20-13610-9	41-BF0280-9BB SOLID WIRE #24 UL 1007 280MM	1.00
20-13605-1	62-136050-00F WIRE CLAMPER	1.00
20-13579-7	41-BF0280-7BB WIRE #24 UL 1007 5.5	1.00
20-13553-1	41-BF0540-1BB SOLID WIRE #24 UL 1007 540MM	1.00
20-13171-5	41-BC0400-5EB WIRE #18 UL 1007 GREEN	1.00
20-13163-0	41-BF0065-0BB SOLID WIRE #24 UL 1007 BLACK	1.00
20-13162-1	41-DE0260-1BB WIRE #22 UL 1015 BROWN	1.00
20-13161-3	41-DE0065-3BB WIRE #22 UL 1015 ORANGE	1.00
20-13161-3	41-DE0065-3BB WIRE #22 UL 1015 ORANGE	1.00
20-13005-2	41-BF0170-2BB AWG 24 UL 1007 170MM RED 5/5	1.00
20-12691-5	41-BC0340-5BB AWG 18 UL 1007 340MM GREEN	1.00
20-12671-2	41-BF0060-2BB AWG 24 UL 1007 60MM RED	1.00
20-12326-4	41-BF0200-4BB AWG 24 UL 1007 200MM YELLOW	1.00
20-12300-4	41-BF0370-4BB AWG 24 UL 1007 370MM YELLOW	1.00
20-12299-5	41-BF0370-5BB AWG 24 UL 1007 370MM GREEN	1.00
20-11984-2	41-BF0400-2BB AWG 24 UL 1007 400MM RED	1.00
20-11984-2	41-BF0400-2BB AWG 24 UL 1007 400MM RED	1.00
20-11981-6	41-BF0400-6BB AWG 24 UL 1007 400MM BLUE	1.00
20-11980-0	41-BF0400-0BB AWG 24 UL 1007 400MM BLACK	1.00
20-11409-7	41-BF0380-7BB AWG 24 UL 1007 380MM VIOLET	1.00
20-11049-2	41-BF0090-2BB AWG 24 UL 1007 90MM RED	1.00
20-11047-8	41-BF0110-8BB SOLID WIRE #24 UL 1007 GREY	1.00
20-11043-3	41-BF0160-3BB AWG 24 UL 1007 (T/C) 160MM	1.00
20-10654-2	62-106540-00F LNITE 2.5 X 95 MM	30.00
20-10168-1	41-AE3000-B55 TINNED COPPER WIRE	1.00
11-11273-1	62-112730-0HA COVER - TRANSISTOR	1.00

Location No.	Part No.	Description	Quantity
08-20180-0003	08-201800-003	ASSEMBLY - SELECTOR BOARD	1.00
X001	45-20054-0200	CERAMIC RESONATOR CSA-400MG/	1.00
VR204	20-20055-2103	ROTARY POTENTIOMETER - B10K	1.00
T1001	36-20177-0000	TRANSFORMER - POWER AC240V	1.00
S801	48-20173-0000	SWITCH - PUSH POWER ON/OFF W	1.00
S009	34-13332-1	SLIDE SWITCH SS12F445B	1.00
S005	34-13331-1	TACT SWITCH EV9-0S3-07K	1.00
S004	34-13331-000	TACT SWITCH EV9-0S3-07K	1.00
S003	34-13331-1	TACT SWITCH EV9-0S3-07K	1.00
S002	34-13331-1	TACT SWITCH EV9-0S3-07K	1.00
S001	34-13331-1	TACT SWITCH EV9-0S3-07K	1.00
R650	36-CD082-0	RES. CARBON FILM 82 OHM 1/4W	1.00
R1018	36-CD473-J	RES. CARBON FILM 47K OHM 1/4W	1.00
R1017	36-CD473-J	RES. CARBON FILM 47K OHM 1/4W	1.00
R1016	36-CB104-J	RES. CARBON FILM 100K OHM	1.00
R1015	36-CB104-J	RES. CARBON FILM 100K OHM	1.00
R1014	36-CB473-J	RES. CARBON FILM 100K OHM	1.00
R1013	36-CB104-J	RES. CARBON FILM 100K OHM	1.00
R1012	36-CB104-J	RES. CARBON FILM 100K OHM	1.00
R1011	36-CB223-J	RES. CARBON FILM 22K OHM 1/16W	1.00
R1010	36-CB223-J	RES. CARBON FILM 22K OHM 1/16W	1.00
R1009	36-CD014-J	RES. CARBON FILM 100K OHM 1/4W	1.00
R1008	36-CB152-J	RES. CARBON FILM 1.5K OHM	1.00
R1007	36-CBS62-J	RES. CARBON FILM 5.6K OHM	1.00
R1006	18-CB020-1JB1	RES. CARBON FILM 200 OHM 1/16W	1.00
R1005	36-CB561-J	RES. CARBON FILM 560 OHM 1/4W	1.00
R1004	36-CD229-J	RES. CARBON FILM 2.2 OHM 1/4W	1.00
R1003	36-CD229-J	RES. CARBON FILM 2.2 OHM 1/4W	1.00
R1002	36-CD224-J	RES. CARBON FILM 220K OHM 1/4W	1.00
R1001	36-CB022-J	RES. CARBON FILM 8.2K OHM	1.00
R063	36-CB22-J	RES. CARBON FILM 8.2K OHM	1.00
R037	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R036	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R035	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R034	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R033	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R032	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R031	36-CB333-J	RES. CARBON FILM 33K OHM 1/16W	1.00
R029	18-CB015-3JB1	RES. CARBON FILM 15K OHM 1/16W	1.00
R028	18-CB010-3JB1	RES. CARBON FILM 10K OHM 1/16W	1.00
R026	36-FE472-J	RES. METAL OXIDE 4.7K OHM 1/2W	1.00
R024	36-CD471-J	RES. CARBON FILM 470 OHM 1/4W	1.00
R023	18-CB0471-J	RES. CARBON FILM 470 OHM 1/16W	1.00
R022	18-CB010-3JB1	RES. CARBON FILM 10K OHM 1/16W	1.00
R019	36-CD224-J	RES. CARBON FILM 220K OHM 1/4W	1.00
R017	36-CD104-J	RES. CARBON FILM 100K OHM 1/4W	1.00
R016	36-CD224-J	RES. CARBON FILM 220K OHM 1/4W	1.00
R015	18-CB018-4JB1	RES. CARBON FILM 180K 1/16W	1.00
R014	36-CD104-J	RES. CARBON FILM 100K OHM	1.00
R013	36-CE391-J	RES. CARBON FILM 390 OHM 1/2W	1.00
R006	18-CB015-3JB1	RES. CARBON FILM 15K OHM 1/16W	1.00
R003	36-CD103-J	RES. CARBON FILM 10K OHM 1/4W	1.00
R002	36-CD101-J	RES. CARBON FILM 100K OHM 1/4W	1.00
R001	36-CE391-J	RES. CARBON FILM 390 OHM 1/2W	1.00
01004	14-10001-0	11-08C38B-001 TRANSISTOR BC 33B	1.00
01003	14-10012-1	11-08C32B-001 TRANSISTOR BC 32B	1.00
01002	14-10001-0	11-08C38B-001 TRANSISTOR BC 33B	1.00
01001	14-10001-0	11-08C38B-001 TRANSISTOR BC 33B	1.00
0009	14-12148-1	11-2N3904-001 TRANSISTOR 2N3904	1.00
0005	14-10717-Y	11-SA1015-0Y1 TRANSISTOR 2SA 1015-Y	1.00
0004	14-10717-Y	11-SA1015-0Y1 TRANSISTOR 2SA 1015-Y	1.00
0002	14-10001-0		

Location No.	Part No.	Description	Quantity
C1007	44-AF473-Z	26-AB0473-ZF1 CAP. CERAMIC 0.047 UF 50V	1.00
C1006	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C1005	42-BC470-Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 16V	1.00
C1004	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C1003	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C1002	42-BC332-U	25-BC0332-U11 CAP. ELECTROLYTIC 3300 UF 16V	1.00
C1001	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C095	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C092	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C091	42-BF109-Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
C090	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C088	44-AF330-J	26-AB0330-JZ1 CAP. CERAMIC 33 PF 50V +/-5%	1.00
C087	42-BF220-Y	25-BF0220-U11 CAP. ELECTROLYTIC 22 MFD 50V	1.00
C085	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C079	42-BF470-Y	25-BF0470-U11 CAP. ELECTROLYTIC 47 MFD 50V	1.00
C078	44-AF470-J	26-AB0470-JZ1 CAP. CERAMIC 47 PF 50V +/-5%	1.00
C076	44-AF330-J	26-AB0330-JZ1 CAP. CERAMIC 33 PF 50V +/-5%	1.00
C075	44-AF221-J	26-AB0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
C074	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C073	44-AF222-K	26-AB0222-KB1 CAP. CERAMIC 2200 PF 50V	1.00
C072	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C071	44-AF151-J	26-AB0151-JC1 CAP. CERAMIC 150PF 50V	1.00
C067	44-AF101-J	26-AB0101-JZ1 CAP. CERAMIC 100 PF 50V +/-5%	1.00
C065	44-AF101-J	26-AB0101-JZ1 CAP. CERAMIC 100 PF 50V +/-5%	1.00
C063	44-AF101-J	26-AB0101-JZ1 CAP. CERAMIC 100 PF 50V +/-5%	1.00
C029	49-BE228-K	25-BE0228-K31 CAP. TANTALUM 0.22UF +/-10%	1.00
C028	49-BE478-M	25-BE0478-M31 CAP. TANTALUM 0.47 UF 35V	1.00
C027	44-AF221-J	26-AB0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
C026	44-AF203-Z	26-AB0203-ZF1 CAP. CERAMIC 200 50V +80-20%	1.00
C023	44-AF220-J	26-AB0220-JZ1 CAP. CERAMIC 22 PF 50V +/-5%	1.00
C022	44-AF680-J	26-AB0680-JZ1 CAP. CERAMIC 68 PF 50V +/-5%	1.00
C021	44-AF680-LJ	26-AB0680-JZ1 CAP. CERAMIC 68 PF 50V +/-5%	1.00
C014	42-BF478-Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
C013	44-AF300-J	26-AB0300-JZ1 CAP. CERAMIC 30 PF 50V +/-5%	1.00
C012	44-AF300-J	26-AB0300-JZ1 CAP. CERAMIC 30 PF 50V +/-5%	1.00
C011	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C010	42-BC101-Y	25-BC0101-U11 CAP. ELECTROLYTIC 100 MFD 16V	1.00
C009	42-BC470-Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 16V	1.00
C005	42-BB102-Y	25-BB0102-U11 CAP. ELECTROLYTIC 1000 MFD 10V	1.00
C003	44-AF103-Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
C002	42-BC101-Y	25-BC0101-U11 CAP. ELECTROLYTIC 100 MFD 16V	1.00
C001	42-BD101-Y	25-BD0101-U11 CAP. ELEC. 100 UF 25V +50-20%	1.00
84-12837-1		94-128370-000 FIBRE TUBE - 2MM X 15MM	4.00
83-11397-4		54-113974-000 PVC TUBE AWG6 L=10MM	2.00
83-11397-4		54-113974-000 PVC TUBE AWG6 L=10MM	4.00
82-13393-1		67-133930-004 BRACKET - TRANSFORMER MOUNTING	1.00
81-13510-8		***** INLAY - FRONT CONTROL (HR. MIN.	1.00
74-14147-6M		46-14147H-03C HOUSING - POLE 3 #24 UL 1007	1.00
74-13902-6		46-13902H-02C HOUSING - POLE 2 #24 WA3202	1.00
74-13796-6		46-13796H-02C HOUSING - POLE 2 #24 UL1007	1.00
74-13719-6		46-13719H-02C HOUSING-POLE 2 WA3202 #26 1185	1.00
74-13709-6		46-13709H-04C HOUSING-POLE 4 WA3204 #24	1.00
74-13522-6		46-13522H-04C POLE HOUSING #6 WA3206 #24	1.00
74-12847-6		46-12847H-03C POLE HOUSING #3 #22 UL 1015	1.00
74-11108-6		46-11108H-03C HOUSING - POLE 3 WA3203 #24	1.00
71-13964-1		60-139660-0E0 METAL WASHER 10 X 18MM 1041	1.00
71-13778		64-F30240-102 MR 3 X 24 (FLAT HEAD)	2.00
71-13437		65-A33070-05E METAL WASHER 3.3 X 7	1.00
71-12860		64-B30060-084 SCREW SMB 3 X 6	2.00
71-11898		63-P26080-BT4 SCREW TR 2.6 X 8	2.00
71-11117		63-P26060-BT4 TR 2.6 X 6 (BT)	5.00
71-10493-1		65-Z30050-23E NUT M3	2.00
71-10114-A		63-P30100-AB2 SCREW TR 3 X 10	3.00
71-10114-A		63-P30100-AB2 SCREW TR 3 X 10	1.00
63-B30046-0004		63-B30046-0004 SCREW S/T 3 X 6 (B)	2.00
S5-20102-P00A		55-20102P-00A PANEL - TUNING	1.00
49-20101-0000		49-201010-0000 CONDUCTIVE RUBBER	1.00
46-20191-S091		46-20191S-091 PINS CONNECTOR - 9 PINS	0.50
46-20190-S041		46-20190S-041 PINS CONNECTOR - 4 PINS	0.50
46-20189-H02C		45-20189H-02C HOUSING - POLE 2 #24 UL 1007	1.00
46-20188-H02C		46-20188H-02C HOUSING - POLE 2 #24 UL 1007	1.00
46-20185-H04C		46-20185H-04C HOUSING - POLE 4 #24 UL 1007	1.00
46-20172-S301		46-20172S-301 PINS CONN. - 30P=2.5MM PLASTIC	1.00
40-20178-10AA		40-201781-0AA PCB - PHONE JACK	1.00
40-20175-10AA		40-201751-0AA PCB - SELECTOR BOARD	1.00
33-13971-3		33-13971-013 PCB - KEY BOARD	1.00
20-14149-6		41-E0E402-6CC WIRE #22 UL 1015 420MM/7MM	1.00
20-13782-1		41-DE0402-1CC WIRE #22 UL 1015 420MM 7.7	1.00
20-13782-1		41-DE0402-1CC WIRE #22 UL 1015 420MM 7.7	1.00
20-13614-b		41-BF0120-0BD SOLID WIRE #24 UL 1007 120MM	1.00
20-13584-5		41-BF0140-5BB WIRE #24 UL 1007 140MM 5.5	1.00
20-13583-4		41-BF0110-4BB WIRE #24 UL 1007 110MM 5.5	1.00
20-13557-7		41-BF0160-7BB SOLID WIRE #24 UL 1007 160MM	1.00
20-12329-0		41-BF0080-0BB AWG 24 UL 1007 80MM BLACK	1.00
20-12325-2		41-BF0130-2BB AWG 24 UL 1007 130MM RED	1.00
20-11357-5		41-BF0120-5BB AWG 24 UL 1007 120MM (T/C) 120MM	1.00
20-11047-8		41-BF0110-8BB SOLID WIRE #24 UL 1007 GREY	1.00
20-11043-3		41-BF0160-3BB AWG 24 UL 1007 (T/C) 160MM	1.00
11-13751-1		62-137510-0HA PUSH BUTTON	1.00
11-13619-1		62-136190-0HA SPACER - SLIDE SWITCH	1.00
11-13524-1		56-135240-0HA PUSH BUTTON 6X6MM - CONTROL	12.00
11-13502-1		55-135020-0HA PANEL - CONTROL	1.00
11-13286-1		56-132860-0HA PUSH BUTTON - POWER (A)	1.00
08-20181-0003		08-201810-003 ASSEMBLY - FRONT CABINET	1.00
W661 TVAL CABINET		ASSEMBLY - F/CAB W/O GLASS	1.00
13-13259-2		42-132592-000 SPEAKER 3 1/2" 16 OHM 1.5W	1.00
83-13451-1		59-134510-000 RUBBER PAD - 5x10x2	4.00
82-13394-2		61-13394P-2AO LOCK (ALUM.) - FRONT GLASS	2.00
82-11001-1		61-110010-0E0 SPRING - CRT 6X18X0.5	1.00
82-10554-1		61-105540-0E4 CLAMP - SPEAKER	2.00
81-13461-1		58-134615-001 LOGO	1.00
81-13272-1		49-132721-000 FRONT GLASS	1.00
74-13902-6		46-13902H-02C HOUSING - POLE 2 #24 WA3202	1.00
71-202380-00E2		7-202380-0E2 LABEL - STATIC FOR CLOCK	1.00
71-13437		65-A33070-05E METAL WASHER 3.3 X 7	1.00
71-13435		63-P30140-AB4 SCREW TR 3 X 14	1.00
71-12688		63-P30180-AB2 SCREW TR 3 X 18	3.00
71-12688		63-P30180-AB2 SCREW TR 3 X 18	2.00
71-11899		63-P40350-AB4 SCREW TR 4 X 35	4.00
71-10998		65-A40090-06E WASHER - 4 X 9	1.00
71-10993		65-A45220-15E WASHER - 4.5 X 22	4.00
71-10989-A		65-P35120-AB4 SCREW TR 3.5 X 12	2.00
71-10496-A		63-P30080-AB2 SCREW TR 3 X 8	2.00
70-202280-00EB		70-202280-BEB POINT OF SALE	1.00
63-B30150-0084		63-B30150-0084 SCREW TR 3 X 15 (B)	3.00
63-B30098-0084		63-B30098-0084 SCREW TR 3 X 8 (B)	2.00
58-20139-5001		58-201395-001 LENS - DOOR	1.00

Part No.	Description	Quantity
Z	26-AB0473-ZF1 CAP. CERAMIC 0.047 UF 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 16V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
U	25-BC0332-U11 CAP. ELECTROLYTIC 3300 UF 16V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Y	25-BF0109-U11 CAP. ELECTROLYTIC 1 UF 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
J	26-AB0330-JZ1 CAP. CERAMIC 33 PF 50V +/-5%	1.00
Y	25-BF0220-U11 CAP. ELECTROLYTIC 22 MFD 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 50V	1.00
J	26-AB0470-JZ1 CAP. CERAMIC 47 PF 50V +/-5%	1.00
J	26-AB0330-JZ1 CAP. CERAMIC 33 PF 50V +/-5%	1.00
J	26-AB0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
K	26-AB0222-KB1 CAP. CERAMIC 2200 PF 50V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
J	26-AB0151-JC1 CAP. CERAMIC 150PF 50V	1.00
J	2a-AB0101-JZ1 CAP. CERAMIC 100 PF 50V +/-5%	1.00
J	26-AB0101-JZ1 CAP. CERAMIC 100 PF 50V +/-5%	1.00
J	26-AB0101-JZ1 CAP. CERAMIC 100 PF 50V +/-5%	1.00
K	25-BE0228-K31 CAP. TANTALUM 0.22UF +/-10%	1.00
M	25-BE0478-M31 CAP. TANTALUM 0.47 UF 35V	1.00
J	26-AB0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
Z	26-AB0203-ZF1 CAP. CERAMIC 20N 50V +80-20%	1.00
J	26-AB0220-JZ1 CAP. CERAMIC 22 PF 50V +/-5%	1.00
J	26-AB0680-JZ1 CAP. CERAMIC 68 PF 50V +/-5%	1.00
J	26-AB0680-JZ1 CAP. CERAMIC 68 PF 50V +/-5%	1.00
Y	25-BF0478-U11 CAP. ELECTROLYTIC 0.47 UF 50V	1.00
J	26-AB0300-JZ1 CAP. CERAMIC 30 PF 50V +/-5%	1.00
J	26-AB0300-JZ1 CAP. CERAMIC 30 PF 50V +/-5%	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Y	25-BC0101-U11 CAP. ELECTROLYTIC 100 MFD 16V	1.00
Y	25-BC0470-U11 CAP. ELECTROLYTIC 47 MFD 16V	1.00
Y	25-BB0102-U11 CAP. ELECTROLYTIC 1000 MFD 10V	1.00
Z	26-AB0103-ZF1 CAP. CERAMIC 0.01 UF 50V	1.00
Y	25-BC0101-U11 CAP. ELECTROLYTIC 100 MFD 16V	1.00
Y	25-BB0101-U11 CAP. ELEC. 100 UF 25V +50-20%	1.00
1	54-128370-0000 FIBRE TUBE - 2MM X 15MM	4.00
4	54-113974-0000 PVC TUBE AWG=6 L=10MM	2.00
4	54-113974-0000 PVC TUBE AWG=6 L=10MM	4.00
1	67-133930-0E4 BRACKET - TRANSFORMER MOUNTING	1.00
B	***** INLAY - FRONT CONTROL (HR. MIN.	1.00
SM	46-14147H-03C HOUSING - POLE 3 #24 UL 1007	1.00
6	46-13902H-02C HOUSING - POLE 2 #24 WA3202	1.00
6	46-13796H-02C HOUSING - POLE 2 #24 UL1007	1.00
6	46-13719H-02C HOUSING-POLE 2 WA3202 #26 1185	1.00
6	46-13709H-04C HOUSING-POLE 4 WA3204 #24	1.00
6	46-13522H-06C POLE HOUSING#6 WA3206 #24	1.00
6	46-12847H-03C POLE HOUSING#3 #22 UL 1015	1.00
6	46-11308H-03C HOUSING - POLE 3 WA3203 #24	1.00
6	60-139660-0E0 METAL WASHER 10 X 18MM 1041	1.00
6	64-F30240-102 MR 3 X 24 (FLAT HEAD)	2.00
6	65-A33070-05E METAL WASHER 3.3 X 7	1.00
6	64-B30060-102 SCREW SMB 3 X 6	2.00
6	63-P26080-BT4 SCREW TR 2.6 X 8	2.00
6	63-P26060-BT4 TR 2.6 X 6 (BT)	5.00
1	65-Z30050-23E NUT M3	2.00
A	63-P30100-AB2 SCREW TR 3 X 10	3.00
A	63-P30100-AB2 SCREW TR 3 X 10	1.00
00B4	63-P30100-AB2 SCREW TR 3 X 10	2.00
00A4	63-B30060-084 SCREW - S/T 3 X 6 (B)	2.00
0004	49-201010-000 CONDUCTIVE RUBBER	1.00
5091	46-201719-U91 PINS CONNECTOR - 9 PINS	0.50
5041	46-201905-041 PINS CONNECTOR - 4 PINS	0.50
H02C	46-20189H-02C HOUSING - POLE 2 #24 UL 1007	1.00
H02C	46-20188H-02C HOUSING - POLE 2 #24 UL 1007	1.00
H04C	46-20185H-04C HOUSING - POLE 4 #24 UL 1007	1.00
5301	46-201723-S-301 PINS CONN. - 30P-2.5MM PLASTIC	1.00
10AA	40-201781-U0AA PCB - PHONE JACK	1.00
10AA	40-201751-U0AA PCB - SELECTOR BOARD	1.00
3	33-139713-0FZ PCB - KEY BOARD	1.00
6	41-EE0420-6CC WIRE #22 UL 1015 420MM/7MM	1.00
1	41-DE0420-1CC WIRE #22 UL 1015 420MM 7.7	1.00
1	41-DE0420-1CC WIRE #22 UL 1015 420MM 7.7	1.00
0	41-BF0120-0BB SOLID WIRE #24 UL 1007 120MM	1.00
5	41-BF0140-5BB WIRE #24 UL 1007 140MM 5.5	1.00
4	41-BF0110-4BB WIRE #24 UL 1007 110MM 5.5	1.00
4	41-BF0160-7BB SOLID WIRE #24 UL 1007 160MM	1.00
4	41-BF0080-0BB AWG 24 UL 1007 80MM BLACK	1.00
2	41-BF0130-2BB AWG 24 UL 1007 130MM RED	1.00
5	41-BF0120-5BB AWG 24 UL 1007 (T/C) 120MM	1.00
3	41-BF0110-8BB SOLID WIRE #24 UL 1007 GREY	1.00
4	41-BF0160-3BB AWG 24 UL 1007 (T/C) 160MM	1.00
50	137510-0HA PUSH BUTTON	1.00
62	136190-0HA SPACER - SLIDE SWITCH	1.00
56	135240-0HA PUSH BUTTON 6X6MM - CONTROL	12.00
55	135020-0HA PANEL - CONTROL	1.00
54	132860-0HA PUSH BUTTON - POWER (A)	1.00
0003	08-201810-003 ASSEMBLY - FRONT CABINET	1.00
ET	ASSEMBLY - F/CAB W/O GLASS	1.00
42-132592-000 SPEAKER 3 1/2" 16 OHM 1.5W	1.00	
59-134510-000 RUBBER PAD - 5x10x2	4.00	
67-13394P-240 LOCK (ALUM.) - FRONT GLASS	2.00	
67-110010-0E0 SPRING - CRT 6X18X0.5	1.00	
68-105540-0E4 CLAMP - SPEAKER	2.00	
50	134618-001 LOGO	1.00
49-132721-000 FRONT GLASS	1.00	
49-13902H-02C HOUSING - POLE 2 #24 WA3202	1.00	
7-202380-0E2 LABEL - STATIC FOR CLOCK	1.00	
65-A33070-05E METAL WASHER 3.3 X 7	1.00	
63-P30140-AB4 SCREW TR 3 X 14	1.00	
63-P30180-AB2 SCREW TR 3 X 18	3.00	
63-P30180-AB2 SCREW TR 3 X 18	2.00	
63-P40350-AB4 SCREW TR 4 X 35	4.00	
65-A40070-06E WASHER - 4 X 9	1.00	
65-A45220-15E WASHER - 4.5 X 22	4.00	
63-P35120-AB4 SCREW TR 3.5 X 12	2.00	
63-P30080-AB2 SCREW TR 3 X 8	2.00	
7B-202280-BEB POINT OF SALE	1.00	
6B4	63-B30150-0B4 SCREW TR 3 X 15 (B)	3.00
6B4	63-B30080-0B4 SCREW TR 3 X 8 (B)	2.00
001	5H-201395-001 LENS - DOOR	1.00

Location No.	Part No.	Description	Quantity
	58-20138-S001	LENS - TUNING PANEL	1.00
	55-20103-P004	DOOR - FRONT	1.00
	54-20220-00U0	SPONGE CUSHION-SPK PROTECTIVE	1.00
	51-10781-1	COIL - DEGAUSSING (14")	1.00
	20-10155-1	BRAIDED FLAT WIRE (1.100MM)	1.00
	15-13632-1	CRT - COLOR 14"	1.00
	11-13270-1	LOCK (UPPER R) - FRONT GLASS	1.00
	11-13269-1	LOCK (UPPER L) - FRONT GLASS	1.00
	11-13261-1	GRILLE (R) - SPEAKER	1.00
	11-13260-1	GRILLE (L) - SPEAKER	1.00
	11-13257-1	HOLDER - PCB	2.00
	11-13083-3	RAIL STAND (R)	1.00
	11-13083-2	RAIL STAND (L)	1.00
	11-13077-2	55-13077P-2HA CABINET - FRONT 14" SQ	1.00
	11-11897-1	11-11897-1HA SPACER - CRT MOUNTING	4.00
	11-10903-1	62-109030-0HA MOUNTING POST	2.00
	11-10073-2	62-100730-2HA HOLDER - AC POWER CORD	1.00
	05-13450-1	71-134500-0A2 LABEL - WARNING "CAUTION"	1.00
	03-13771-3	08-137710-003 ASSEMBLY - REAR CABINET	1.00
	83-11400-1	54-114000-000 FELT TAPE - 150 x 19MM	4.00
	82-13647-1	67-136470-0E2 PLATE - ANTENNA TERMINAL	2.00
	81-11484-1	67-11484S-0NO PLATE - MODEL NO.	1.00
	71-10997-A	63-P35140-1A4 SCREW TR 3.5 X 14	4.00
	71-10998	65-A40090-06E WASHER - 4 X 9	2.00
	51-11110-1	36-111100-000 300:75 OHM MATCH COIL	1.00
	33-13755-1	33-137551-0AA PCB - ANTENNA MATCHING	1.00
	28-11134-1	47-111340-000 LOOP ANTENNA (14" U.K. CTV)	1.00
	20-11263-0	41-PG0400-0FK 75 OHM COAXIAL CABLE 400MM	1.00
	11-14085-1	62-140850-0HA BACK COVER	1.00
	11-13078-1	55-130780-1HA CABINET - REAR 14" SQ	1.00
	11-13739-1	62-113790-0HA ANTENNA CORD BUSHING	1.00
	03-13768-3	08-137680-003 ASSEMBLY - POWER BOARD	1.00
TB01	57-13278-1A	36-132781-A00 FILTER - AC LINE	1.00
T003	51-12054-2	43-0000ULT-1M5 SUBMINIATURE RELAY ULT-1M-5	1.00
R800	36-EB0105-K	18-BE0105-JB1 RES. CARBON COMPOSITION	1.00
PB03	74-12866-6	46-12866W-02C POLE PIN BASE#2 WP9002	1.00
F801	30-10722-1	50-02000D-105 FUSE 2AT 250VAC 5 X 20 MM	1.00
CB00	46-M0224-M	27-MGA224-M01 CAP. METALLIZED POLYESTER	1.00
	83-11397-1	54-113971-000 PVC TUBE (PRICE/FT.) #6 L=20MM	2.00
	74-10968-2	46-109680-0E2 WRAPPING POST 1.2X17 POWER PCB	4.00
	71-10167-1	66-101670-0E2 HOLDER - FUSE	2.00
	33-13429-1	33-134291-0AA P.C.B. - POWER	1.00
	20-11260-1	51-CC0219-0CA AC POWER CORD (BS 6500)	1.00
	11-12949-1	62-129490-0HF SPACER SUPORT - NYLON	3.00
	05-11390-1	71-113900-0A2 POWER CORD LABEL (95 X 43)MM	1.00
	08-20182-0003	08-201820-003 ASSEMBLY - PACKING	1.00
	70-201833-AE0	70-201833-AE0 OPERATION MANUAL	1.00
	05-13412-1	74-081081-60C POLYBAG FOR TV SET	1.00
	05-13411-1	75-134111-000 POLYFOAM SET FOR TV SET	1.00
	05-13409-1	76-13409X-02A CARTON - 14" TV	1.00
	05-11398-1	71-113980-0AO SERIAL NO. LABEL (PRICE/PC.)	2.00
	08-20166-0003	08-201660-003 ASSEMBLY - I.R. TRANSMITTER	1.00
X1	27-12055-0	45-120550-200 CERAMIC RESONATOR CSB455E	1.00
R2	36-CD221-1	18-CDO1221-JD1 RES. CARBON FILM 220 OHM 1/4W	1.00
R1	36-CD109-1	18-CD1090-JB1 RES. CARBON FILM 1 OHM 1/4W	1.00
Q1	14-10001-0	11-08C338-001 TRANSISTOR BC 338	1.00
IC1	13-M5046-000P	13-M50460-00P I.C. - MS0460-001P	1.00
D2	14-10273-1	10-1N4148-A21 DIODE IN4148 (SWITCHING)	1.00
D1	14-10251-1	15-OTS542-04D INFRARED DIODE TSU5402	1.00
C4	44-AF221-J	26-AB0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
CJ	44-AF221-J	26-AB0221-JZ1 CAP. CERAMIC 220 PF 50V +/-5%	1.00
C2	44-AF102-K	26-AB0102-KB1 CAP. CERAMIC 1000 PF 50V	1.00
C1	49-BB100-K	25-BB0100-K31 CAP. TANTALUM 10UF 10V +/-10%	1.00
	67-20224-00P2	67-20223-00P2 BATTERY CONTACT (+/-)	1.00
	67-20223-00P2	67-20222-00P2 BATTERY TERMINAL (-)	1.00
	63-P26100-A02	63-P26100-0A2 BATTERY TERMINAL (+)	1.00
	58-20090-5201	58-200905-201 INLAY - REMOTE CONTROL	1.00
	56-20087-00HA	56-200870-0HA LENS - REMOTE CONTROL	1.00
	55-20086-00HA	55-200860-0HA DOOR - BATTERY	1.00
	55-20085-00HA	55-200850-0HA CASE - BOTTOM, REMOTE HANDSET	1.00
	49-20089-0000	49-200890-0000 CONDUCTIVE RUBBER - 30 KEY PAD	1.00
	40-201991-10FX	40-201991-10FX PCB - IR TRANSMITTER	1.00
	20-12198-2	41-010075-2BB WIRE - BATTERY 75MM/4MM RED	1.00
	20-12198-0	41-Q10075-0BB WIRE - BATTERY 75MM/4MM -	1.00
	05-14104-1	74-008020-60C POLYBAG FOR HANDSET BOX200MM	1.00
	08-20167-0000	08-201670-000 ASSEMBLY - I.R. PRE-AMPLIFIER	1.00
VR1302	20-20126-0203	20-201260-203 TRIMMER 20K OHM B-TYPE	1.00
R1303	36-CB223-J	18-CB0223-JB1 RES. CARBON FILM 22K OHM 1/16W	1.00
R1302	18-CB019-4JB1	18-CB0194-JB1 RES. CARBON FILM 190K 1/16W	1.00
R1301	18-CB047-9JB1	18-CB0479-JB1 RES. CARBON FILM 4.7 OHM 1/16W	1.00
IC1300	13-CX201-06AS	13-CX2010-6AS I.C. - CX20106A	1.00
D1301	14-10252-1	15-00BFW4-1NE IR DIODE BPW41N	1.00
C1303	44-AF331-J	26-AB0331-JZ1 CAP. CERAMIC 330 PF 50V +/-5%	1.00
C1302	25-BF033-9M1B	25-BF0339-M1B CAP. ELECTROLYTIC 3.3 UF 50V	1.00
C1301	25-BF010-9M1B	25	

SERVICE ADJUSTMENTS

FOCUS ADJUSTMENT

Adjust focus control on the horizontal output transformer (T414) for maximum overall definition and fine detail with brightness and contrast controls set at normal viewing levels.

DELAY AGC ADJUSTMENT

1. Connect TV channel signal generator to antenna jack.
2. Adjust TV channel signal generator output level to 1.585 mV (64dBu), channel 21.
3. Turn AGC delay control (VR117) on main board to fully clockwise position and set AFT to on position.
4. Turn VR117 counter clockwise slowly until snow noise just disappears on screen.

HORIZONTAL OSCILLATOR ADJUSTMENT

Turn the horizontal oscillator control (VR907) clockwise and counter clockwise to find the pull in range of the horizontal oscillator. Then turn VR907 to the centre of the pull in range.

HORIZONTAL CENTERING ADJUSTMENT

At nominal 240V AC line voltage, adjust horizontal centering control (VR242) until there is equal amount of overscanning on left and right side of screen.

VERTICAL CENTERING ADJUSTMENT

At nominal 240V AC line voltage, adjust vertical centering control (VR315) until there is equal amount of overscanning at top and bottom of screen.

SUB-BRIGHT ADJUSTMENT

1. Connect test pattern generator (PAL-I signal, 1.585 mV 64 dBu, channel 21) to antenna jack through TV channel signal generator.
2. Set the contrast, brightness and colour controls to minimum.
3. Adjust sub-bright control (VR216) until the whole screen just become completely dark.

COLOUR SYNC. ADJUSTMENT

1. Connect colour bar pattern generator (PAL-I signal, 1.585 mV 64dBu, channel 21) to antenna jack through TV channel signal generator and allow the TV set warm up for 5 minutes.
2. Connect test point TP-43 to chassis ground with a jumper.
3. Connect a 10K ohm resistor across pin 2 and pin 12 of IC201 so as to turn off colour killer.
4. Adjust colour sync. control (VR227) so that the colour bar pattern stands still or drifts slowly across the picture screen.
5. Remove the 10K ohm resistor and the jumper.

WHITE BALANCE ADJUSTMENT

1. Connect grey scale pattern generator (PAL-I signal, 1.585 mV 64dBu, channel 21) to antenna jack through TV channel signal generator and allow the TV set warm up for 15 minutes.
2. Set colour control to minimum.
3. Set brightness control to normal viewing level and contrast control to maximum.
4. Set the green drive (VR511), blue drive (VR510), red cut off (VR520), green cut off (VR501) and blue cut off (VR503) controls to center of their rotation ranges.
5. Disconnect the raster terminal on the main board and short terminals (J) and (H) with a jumper.
6. Rotate the screen control on horizontal drive transformer (T414) gradually from fully counter clockwise position clockwise until a dim horizontal line appears on the screen.
7. Rotate VR501 and VR503 until a dim white line is obtained.
8. Remove the jumper and connect back the raster terminal.
9. Set brightness control to maximum.
10. Adjust VR511 and VR510 until a good white balance at the brightest column is obtained.

11. Adjust VR501 and VR503 until a good white balance column is obtained.
12. Repeat steps 10 and 11 until good white balance is the brightest and the least bright columns.

GENERAL ALIGNMENT

TEST EQUIPMENT:

- Video IF sweep/marker generator — capable of generating 39.5MHz.
- Oscilloscope — wide band.
- Power supply — a well filtered DC power supply capable of 12V at least 250 mA of current.
- Sound IF sweep/marker generator — capable of generating 6MHz.

A warm-up period of at least 15 minutes should be allowed for stabilization of equipment such as sweep/marker generators.

SIGNAL OVERLOAD

Use of excessive signal from the sweep/marker generator can damage the receiver circuits. To determine that this condition is true, turn the sweep/marker generator on and then gradually increase of the sweep output should not affect the configuration of the response except in amplitude. If the configuration, such as flattening at the top or dropping at the bottom, decrease the sweep output to restore the pattern. The oscilloscope gain should be run as high as possible with the peak-to-peak values specified, thus requiring less output from sweep/marker generator and less chance of damage. The markers from the sweep/marker generator should not cause any response.

CAUTION

Remove the AC power plug before making any test equipment connections.

IF ALIGNMENT

1. Remove IF link cable from tuner.
2. Supply 12V DC to pin 20 of IC101 and bias pin 5 of figure 1.

POWER AND AGC BIAS SUPPLY

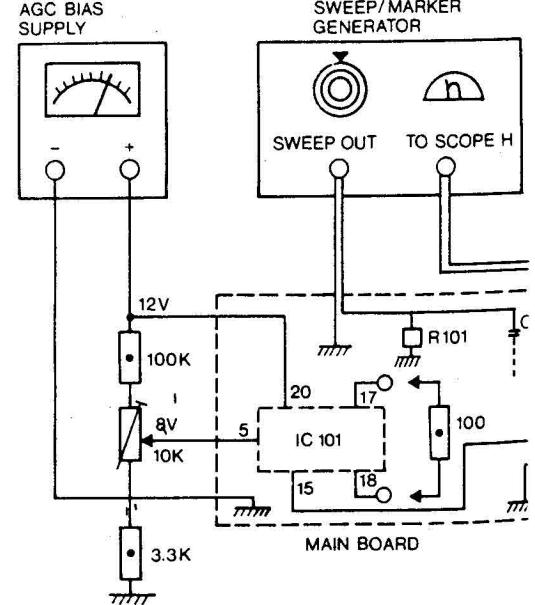


Fig.1 Picture I-F Sweep Alignment

3. Connect video IF sweep/marker generator output to junction of R101 and C101.
4. Connect oscilloscope direct probe to IC101 pin 15 through a 100K ohm resistor.
5. Adjust T127 for maximum gain at 39.5MHz
6. Connect a 100 ohm resistor across IC101 pins 17 and 18.
7. Adjust T114 for maximum gain at 39.5MHz.

SIF DETECTOR

1. Remove IF link c
2. Supply 12V DC
3. Connect a 1K o
4. Connect sound capacitor as shc

AFT ALIGNMENT

1. Remove IF link cable from tuner.
2. Supply 12V DC to pin 20 of IC101 and bias pin 5 of IC101 to 8V as shown in figure 2.

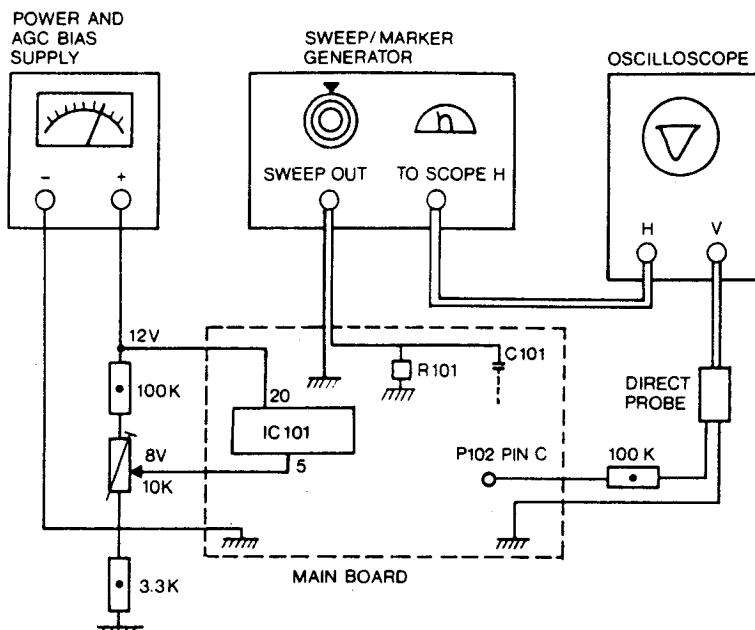


Fig.4 Sound De-

5. Connect oscilloscope to 1uF capacitor.
6. Adjust T104 for 1

Fig.2 AFT Alignment

3. Connect video IF sweep/marker generator output to junction of R101 and C101.
4. Slide AFT switch to on position.
5. Connect oscilloscope direct probe to pin D of connector P102.
6. Adjust T131 for response shown in figure 3.

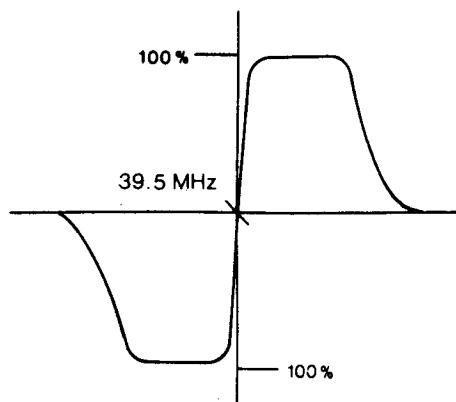


Fig.5 Sound De

IR TRANSMITTER

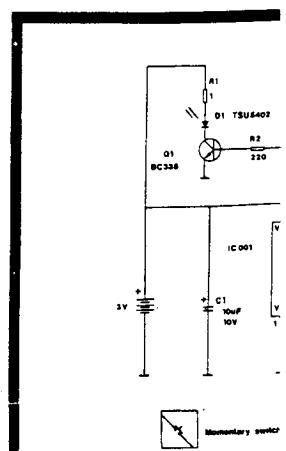


Fig.3 AFC Responses

until a good white balance at the least bright
til good white balance is obtained on both the
ht columns.

MENT

erator — capable of generating markers at

erated DC power supply capable of supplying 16
at least 250 mA of current.

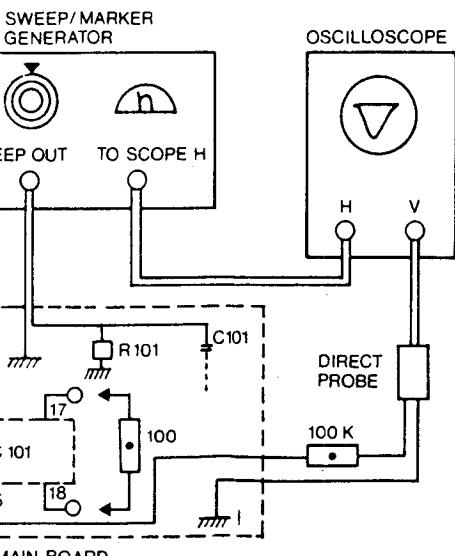
erator — capable of generating markers at 6MHz.

6 minutes should be allowed for proper as sweep/marker generator and oscilloscope.

The sweep/marker generator can cause overloading if the response changes in amplitude. If the response changes in going at the top or dropping below the base line at the bottom, the generator should be turned off to restore the proper configuration. The generator should run as high as possible to maintain a usable signal, thus requiring a lower power level and less chance of overload. Insertion of the generator should not cause distortion of the signal.

Before making any test equipment connections.

IC101 and bias pin 5 of IC101 to 8V as shown in



Alignment

input to junction of R101 and
n 15 through a 100K ohm
; 17 and 18.

SIF DETECTOR COIL ALIGNMENT

1. Remove IF link cable from tuner.
2. Supply 12V DC to pin 20 of IC101.
3. Connect a 1K ohm resistor across pin 5 and 12 of IC101.
4. Connect sound IF sweep/marker generator output to TP14 through a 0.01u capacitor as shown in figure 4.

in 5 of IC101 to 8V as shown in

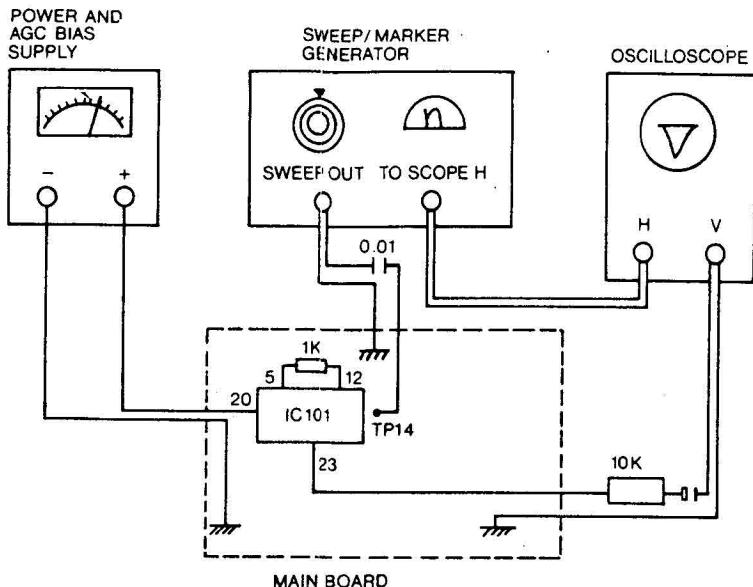
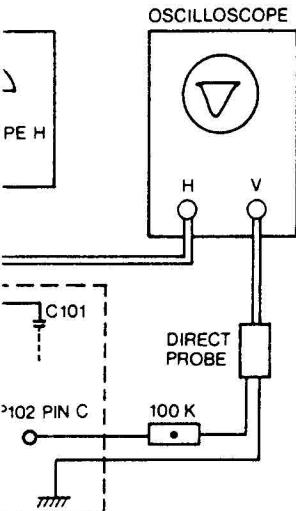


Fig.4 Sound Detector Alignment

5. Connect oscilloscope probe to IC101 pin 23 through a 10K ohm resistor and a 1uF capacitor.
6. Adjust T104 for response shown in figure 5.

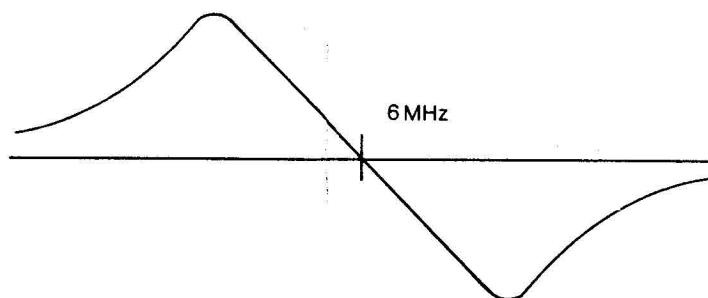
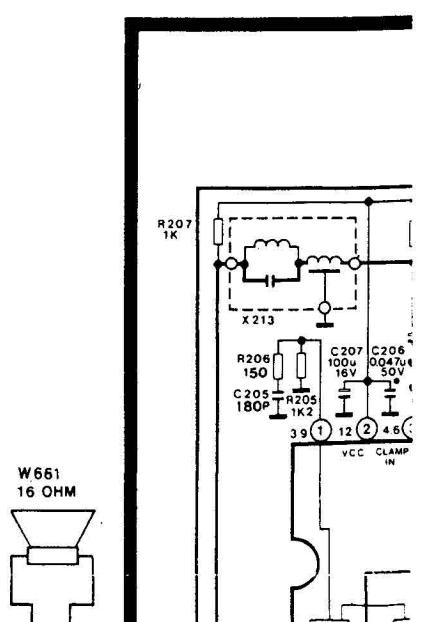
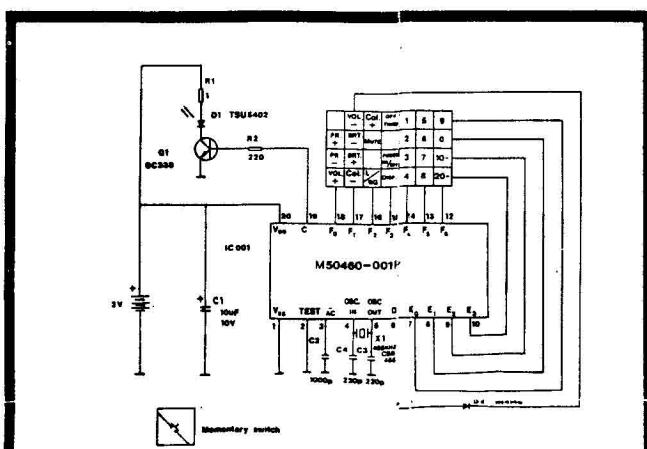


Fig.5 Sound Detector Response Curve

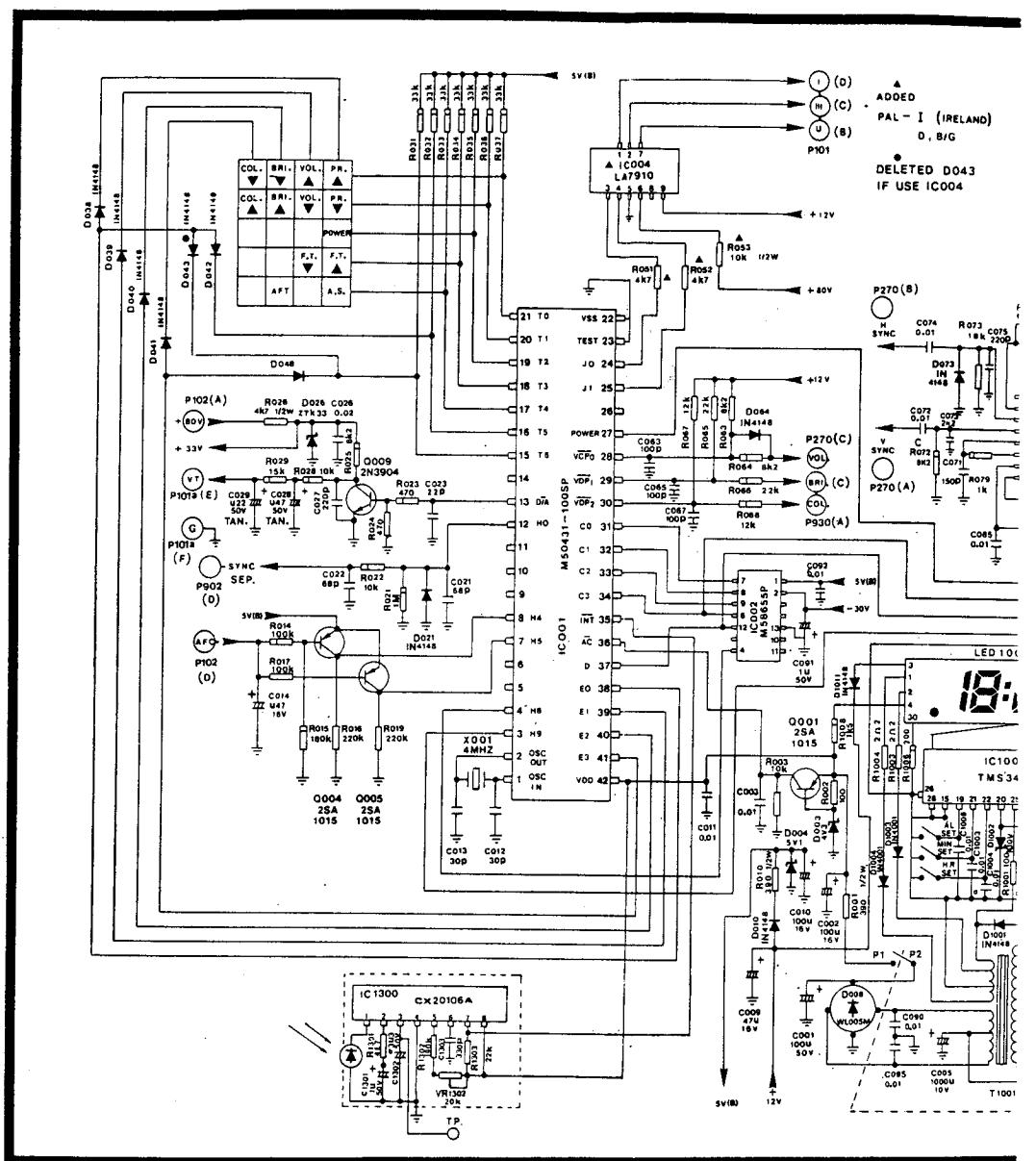
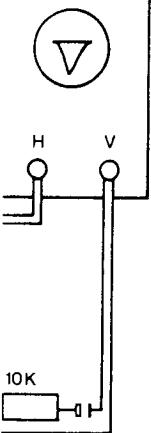
IR TRANSMITTER



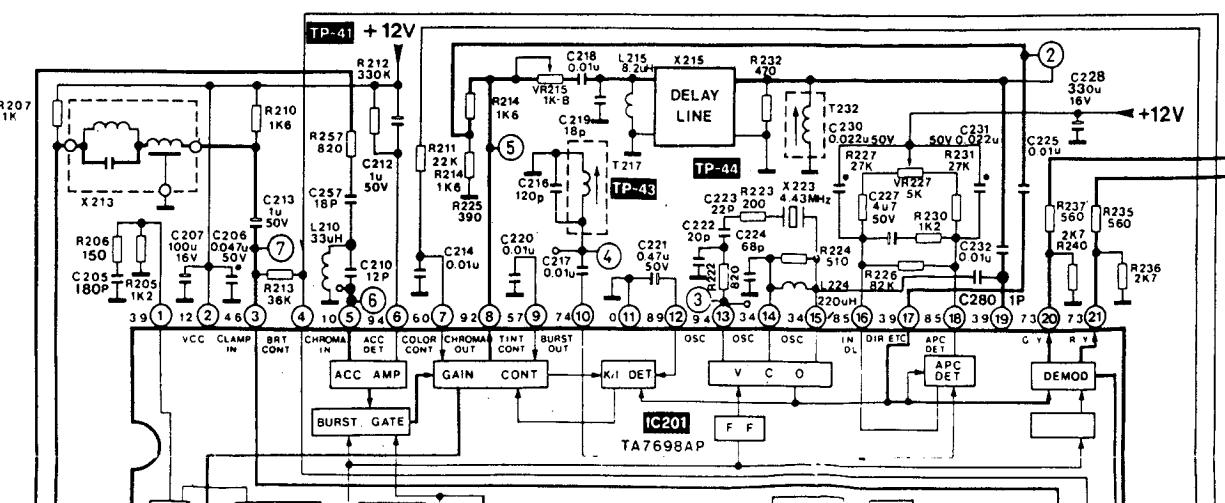
SELECTOR BOARD

ough a 0.01u

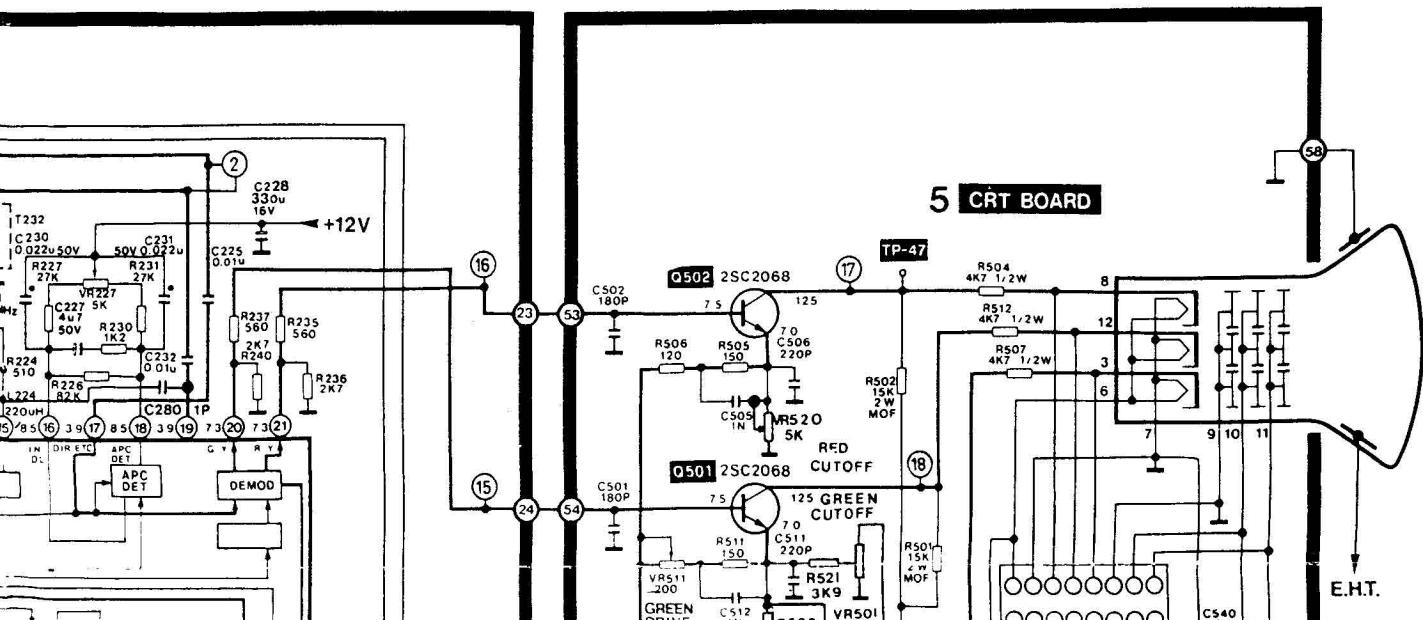
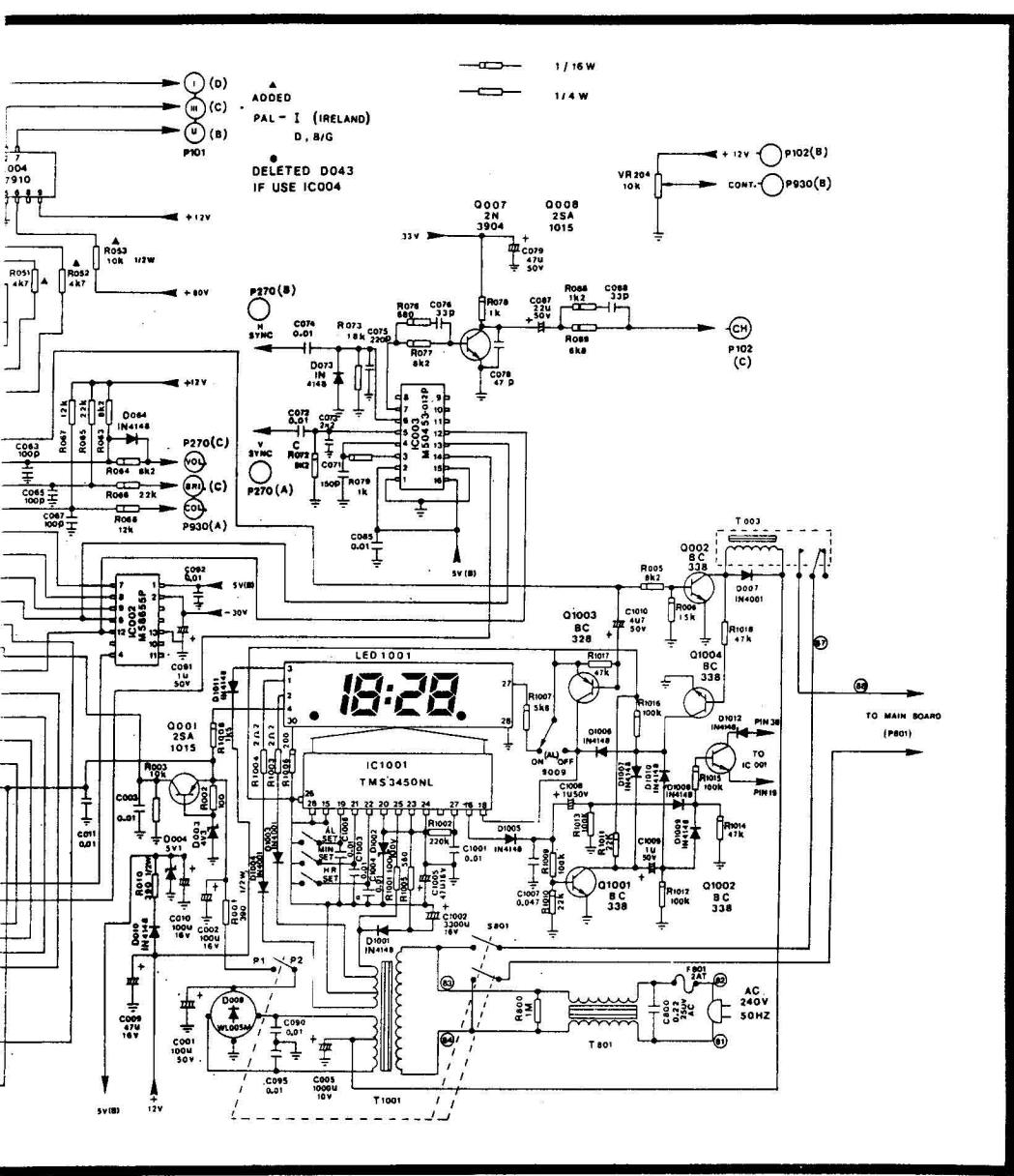
OSCILLOSCOPE



2 CHROMA DECODER



W661
16 OHM



SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION," "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" DESCRIBED BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is 24.5 kv at zero beam current (minimum brightness) under 220/240 volts AC power source. The high voltage must not, under any circumstances, exceed 26.5 kv. B+ voltage closely relates to the high voltage. To prevent hazardous X-RAY RADIATION, the B+ voltage must be not exceed +124 volts.
2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some parts in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

1. Potentials as high as 23,000 volts are present when this receiver is operating. Operation of the receiver outside the cabinet or with the back board removed involves a shock hazard from the receiver.
1. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high-voltage equipment.
2. Always discharge the picture tube anode to the receiver chassis to keep off the shock hazard before removing the anode cap.
3. Perfectly discharge the high potential of the picture tube before handling the tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled.
2. If any Fuse in this TV receiver is blown, replace it with the FUSE specified in the chassis parts list.
3. When replacing parts or circuit boards, wind the lead wires around terminals before soldering.
4. When replacing a high wattage resistor (oxide metal film resistor) in circuit board, keep the resistor 10mm away from circuit board.
5. Keep wires away from high voltage or high temperature components.
6. This receiver can be operated under AC 220/240 volts, 50Hz. NEVER connect to DC supply or any other power or frequency.
7. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screwheads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 220/240 AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner:
Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 mfd, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15 mfd capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3 volts RMS. This corresponds to 0.2 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately

Good earth
such as a v
pipe, condu

OBSERVATION OF VOLTAGES AND WAVEFORMS

1. Voltages read with VTVM from point shown to chassis ground, line voltage 220/240 volts, colour bar signal.
2. Voltages reading may vary +/-20%.
3. The schematic shown is representative only.
4. All waveforms are taken using a wide band oscilloscope and a low capacity probe.
5. Check FINE TUNING, AGC, BRIGHTNESS, CONTRAST and COLOUR controls for best picture, make sure that CONTRAST and COLOUR controls are in mid position and BRIGHTNESS control is almost in maximum position.
6. Waveforms are taken using a standard colour bar signal.

NOTES:

1. D.C. resistance value of a principal t schematic diagram. These are meas
2. The circuits are subject to change

EXPRESSION

VALUE OF RESISTOR, CAPACITOR an

1. Resistance is shown in ohm, k = 1,0
2. Unless otherwise noted in schematic are expressed in mfd and the value
3. Unless otherwise noted in schematic are expressed in uH, and the value

This manual is the latest at the time of printing, and does not include the modifications by the constant improvement of product, which may be made after the printing.

HINARI CONSUMER ELECTRONICS LTD

20-22 Payne Street, Port Dundas, Glasgow G4 0LF. Tel: 041-332 7795

Because we continually strive to improve our products, we may change specifications without prior

CTIONS

AUTION." "SAFETY PRECAUTION"

PRODUCT SAFETY NOTICE

X-RAY RADIATION in this TV receiver. For continued X-RAY protection, the replacement tube must be type tube as specified in the

receiver have special safety-
cs for X-RAY RADIATION
inued safety, parts replacement
n only after referring to the
NOTICE below.

ration of the receiver outside the

the precautions necessary

shock hazard before removing

e. The picture tube is highly

hassis parts list

soldering.

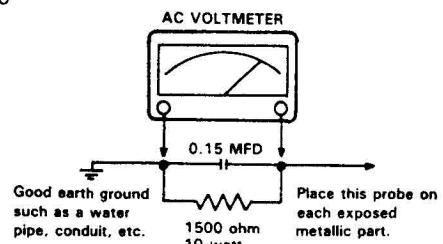
Keep the resistor 10mm away

'C supply or any other power or

check on the exposed metallic
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ctly into a 220/240 AC outlet (do
5000 ohms per volt or more

, between a known good earth
asure the AC voltage across
g at the AC outlet and repeat
ot exceed 0.3 volts RMS. This
ial shock hazard and must be

Many electrical and
mechanical parts in this
chassis have special safety-
related characteristics. These
characteristics are often
passed unnoticed by a visual
inspection and the X-RAY
RADIATION protection
afforded by them cannot
necessarily be obtained by
using replacement
components rated for higher
voltage, wattage, etc.
Replacement parts which
have these special safety
characteristics are identified
in this manual and its
supplements; electrical
components having such
features are identified by
shading on the schematic
diagram and the parts list.
Before replacing any of these
components, read the parts
list in this manual carefully.
The use of substitute
replacement parts which do
not have the same safety
characteristics as specified in
the parts list may create X-
RAY RADIATION.



NOTES:

1. D.C. resistance value of a principal transformer is shown in this schematic diagram. These are measured for separated from the circuit.
2. The circuits are subject to change without notice.

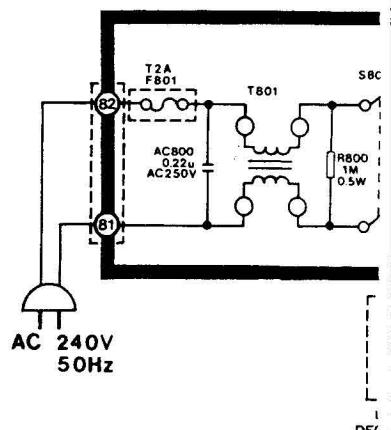
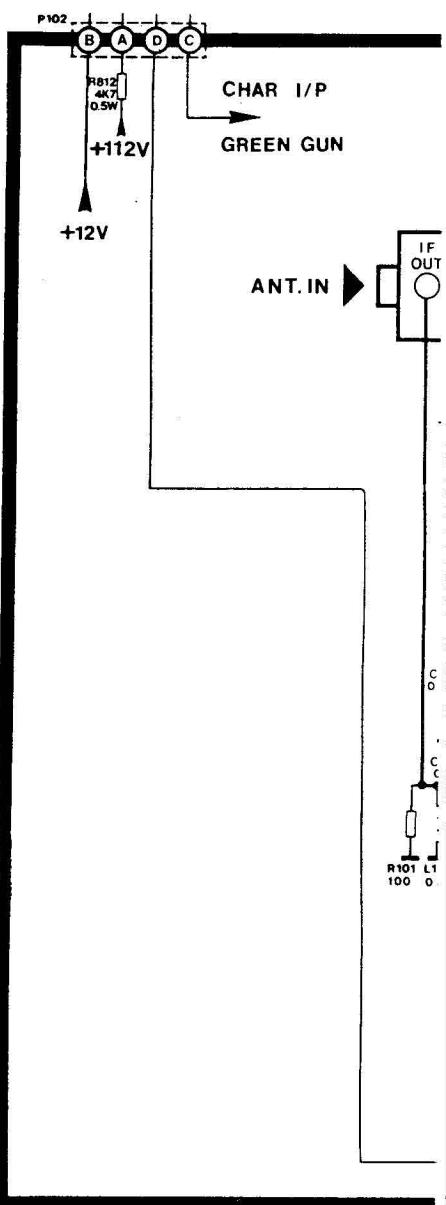
EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

1. Resistance is shown in ohm, k = 1,000, M = 1,000,000.
2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in mfd and the values more than 1 in pF.
3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in uH, and the values less than 1 in H.

This does not include the modifications
y be made after the printing.

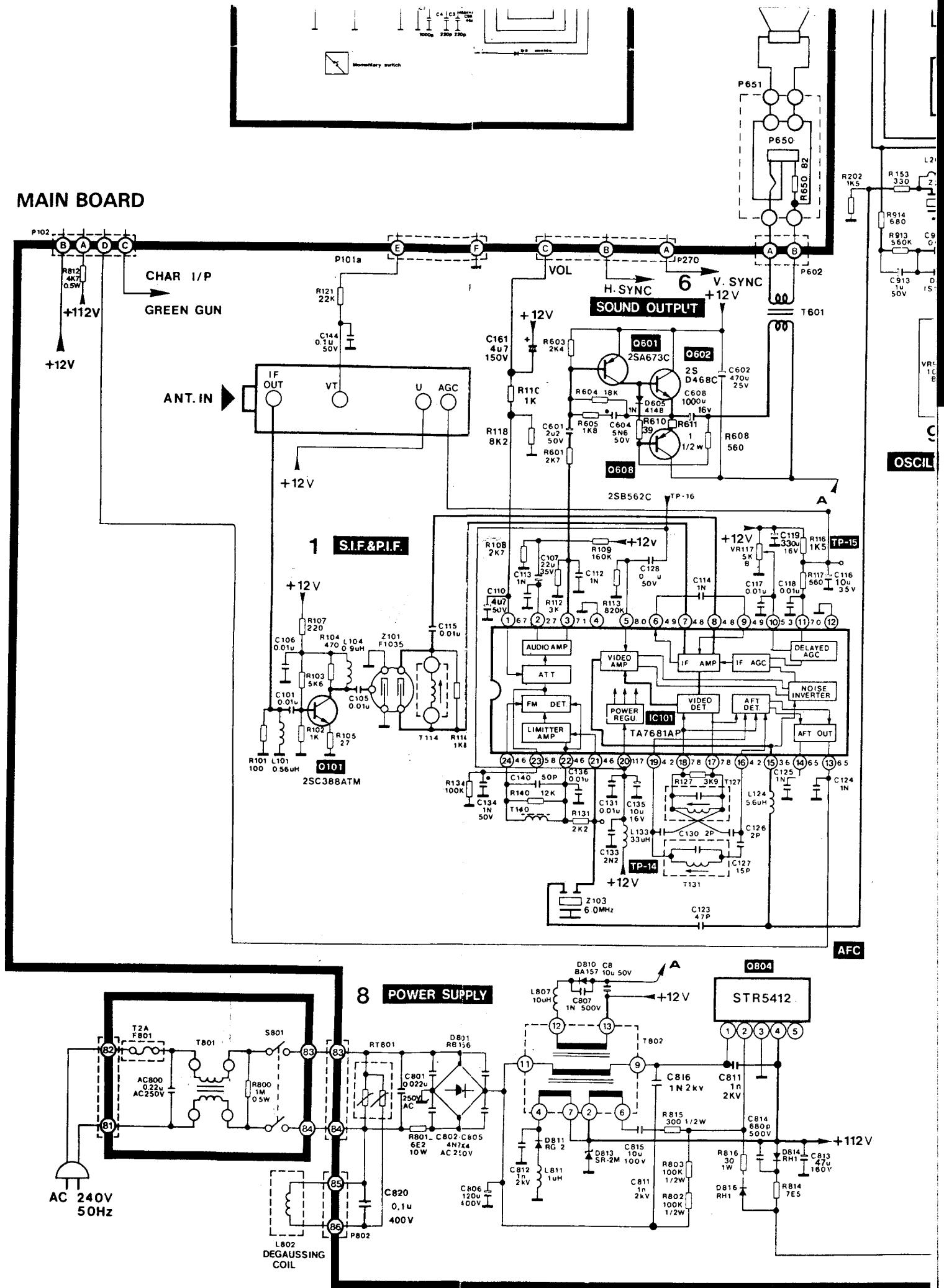
MAIN BOARD

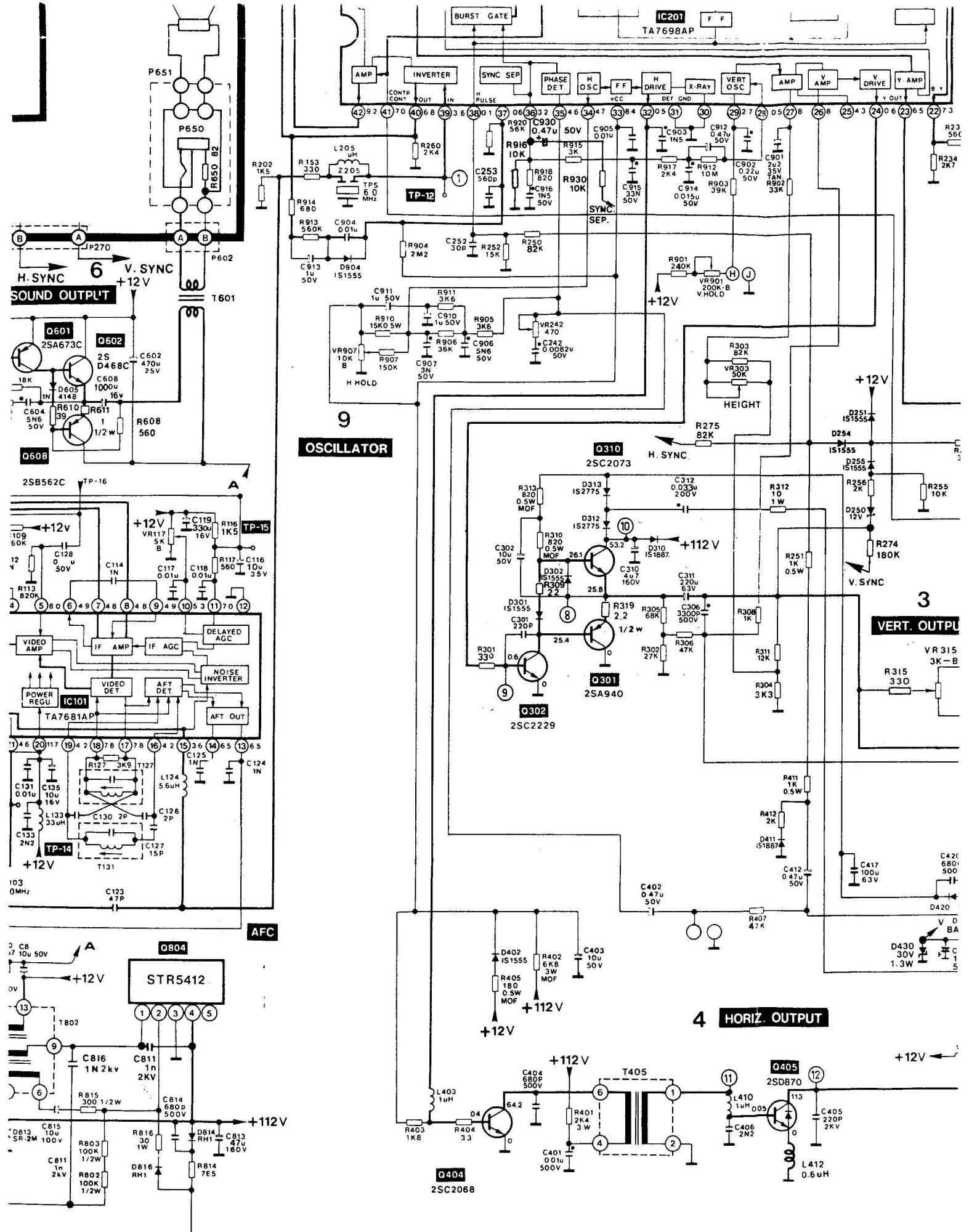


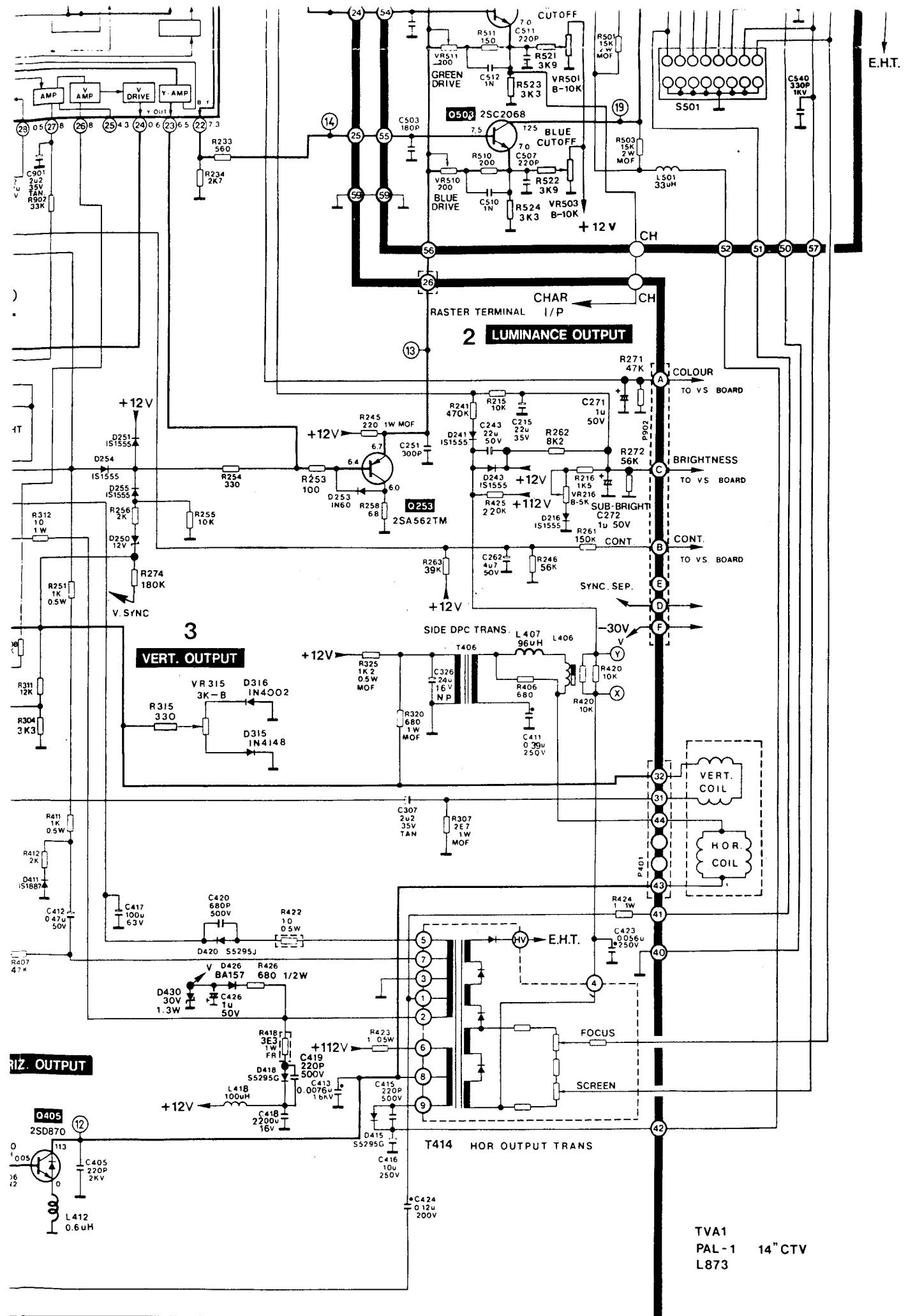
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ay change specifications without prior notice.







(SUBJECT TO CHANGE WITHOUT NOTICE)